AUTOMATED EXECUTION AND RISK MANAGEMENT OF TRANSACTIONS IN SECURITIES

COMPUTER LISTING APPENDIX

This application includes a Computer Listing Appendix on compact disc, hereby incorporated by reference.

BACKGROUND OF THE INVENTION

1. Field of the Invention

[0001]   The present invention relates to an integrated computer network that enables a market maker to deliver to front end users/investors an automated execution service for securities transactions, typically for larger sized orders, that enhances the speed and certainty of executions, and which manages a market maker's trading and inventory risk by integrating internal order book and multiple market venues selected based on their trading characteristics.

2. Description of the Prior Art

[0002]   As a result of the evolution and proliferation of various markets and venues for trading securities in the United States and abroad, investors often find it difficult to purchase or sell securities on an automated basis, particularly in larger quantities. Securities of individual companies often trade in several different markets or venues and investors need access to these market venues to fill larger orders. Firms that intermediate these transactions, such as dealers, market makers and exchange specialists, typically do not meet all of the investor demand for executing larger size orders and with the speed and certainty of an automated execution. Some intermediaries offer automated execution services but impose order size limitations or restrict use of the system if spreads are too narrow, during locked and crossed markets (i.e., markets where bid and ask prices are equal or inverted) and other market conditions. Market maker auto-execute capabilities for executing larger orders have been decreasing due to speed, fee and access impediments of certain market venues and the capital necessary to execute the full size of an order and/or the difficulty in quickly trading out of a large order or otherwise reducing or managing inventory risk.

[0003]   Securities markets today, particularly in the United States, suffer from various structural inefficiencies that, while fostering price competition, inhibit efficient trading by investors and market makers in an electronic environment. The main inefficiencies include market "fragmentation" or multiple trading venues, the lack of depth or liquidity in each market venue, and the time and number of executions necessary to execute the full size of an order and receive notice of its completion. In addition, narrowing spreads caused in part by decimal pricing, increased incidents of locked and crossed markets, access fees to alternative markets and other factors have made it more difficult for market makers to devote capital and manage inventory risk

necessary to execute customer transactions automatically, particularly for larger sized orders.

[0004]   Market fragmentation occurs when the securities of an individual company trade in more than one market or venue. Investors or market makers, therefore, may need to send orders to many different public and private markets or venues to complete the full size of an order. This process often takes time and can result in partial executions and lost opportunities to obtain execution immediately. Prices and the number of securities available to purchase or sell can change instantaneously, making the speed and the likelihood of execution important factors in deciding what market or markets to direct the order for execution. Each market venue also has different modes and protocols of electronic order entry, execution and confirmation; special access, membership and/or transaction fees; and differences in execution speed and quality.

[0005]   There are several market venues that offer computer linkage to facilitate automated executions. Under a single securities exchange model, such as the New York Stock Exchange, Inc., one specialist for each security traded on the exchange has an obligation to set bid and ask quotes, and to execute purchase or sell orders, in rising and falling markets. Orders can come to a specialist's booth by telephone or from other brokers physically on the floor of the exchange. Other orders can come in electronically, and the NYSE has different electronic systems to execute different size orders. Specialists and other brokers submitting orders or trading interest are displayed on a computer terminal on the floor near the specialist's booth. Electronic orders coming in may be matched up against the orders displayed in the specialist's computer terminal. Last sale information is reported to the consolidated tape for public dissemination. Therefore, the price, depth and trading interest is largely contained in an integrated market, and with one specialist acting as the sole market maker for the security on the exchange.

[0006]   In contrast, securities listed on the Nasdaq Stock Market, Inc. (Nasdaq), an interdealer quotation system consisting of competing market makers for each security linked together by a network of computer systems, are traded by many different dealers acting as market makers, each offering different firm bid and ask quotations and at size levels selected by the market maker.   All market makers, and broker-dealers routing orders to market makers, interact electronically through a network of computer terminals, where bid and ask prices and related volume levels are displayed on Nasdaq's centralized SuperMontage (SM) system. Nasdaq SM also contains an order routing computer network. Nasdaq SM aggregates quotes and orders at each price level, and dynamically displays on a computer screen on a real time basis a "montage" of quotation information, including the best prices of all participants, with corresponding size on each side of the market.

[0007]   The Nasdaq SM displays information to computer terminals at three levels. In particular, Nasdaq Level I permits members to view real-time access to inside market quotations at the national best bid and offer (NBBO) and quotations of individual market makers. Nasdaq Level II includes Level I and permits participants to view on a real-time basis all trading interest by participating Nasdaq market makers, dealers and other market venues that submit bid and ask quotes to Nasdaq for inclusion in the SM. Nasdaq Level III permits market makers only to input or change bid or offer quotations and the size or number of shares they are willing to purchase or sell at given price levels and to receive and execute incoming orders. Depending on the security listed on Nasdaq, there may be only a few market makers, or there may be many market makers, sometimes averaging 70 or more different firms, in the security and quoting multiple price and size levels. Various market systems display Level II and Level III data, for example, as disclosed in U.S. patent no. 5,297,032 to Trojan, et al., issued Mar. 22, 1994. Nasdaq charges a fee for each transaction, as well as any electronic exchange executing an order.

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[0008]   The securities of some companies listed on Nasdaq have also been granted "unlisted trading privileges" (UTP) such that those Nasdaq listed securities may also be traded on the NYSE and regional stock exchanges, such as the Cincinnati Stock Exchange, Inc., the American Stock Exchange, Inc., the Chicago Stock Exchange, Inc., the Pacific Exchange, Inc. or the Boston Stock Exchange, Inc., among others. Quotes from these exchange specialists or market makers are included in the Nasdaq SM and displayed along side market maker quotes. If an exchange specialist quote establishes the national best bid or offer and is displayed on Nasdaq's SM, or if an order routing firm selects or preferences an exchange for execution of the order, the order entered into the SM would be routed electronically from the SM to the exchange for automated execution depending on the exchange trading protocols, including different time requirements in which an order is executed. Some exchanges require separate linkages and their quotes are not accessible through Nasdaq's SM.

[0009]   In addition to Nasdaq SM and UTP exchanges, Nasdaq listed and other securities can trade in Alternative Trading Systems (ATSs), which include electronic communication networks (ECNs). Typically, ECNs are private trading venues for professional members, and each member obtains a separate computer trading terminal that is linked or connected to the ECN and its centralized order book and trading system. The ECN consolidated order book computer keeps track on a real-time basis of member bids and offers, and resulting transactions, and will automatically match or execute eligible orders electronically. Each member's trading terminal will be updated to reflect the transaction and to update the order book to take out the price and size of the executed transaction. Members may input additional bids or offers, automatically update their quotes if they designate additional or reserve size and other functionality. Membership in an ECN typically is limited to institutional investors, broker-dealers, specialists and other market professionals; retail investors typically need to use a broker or dealer to access ECN quotations, including resulting delays in execution due to the

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lack of direct access. Each ECN has different electronic trading mechanics and protocols, and charge various access fees, as well as transaction fees based on the volume of each transaction. The total number of ECNs at one time was eight, including Instinet, Island, Brut, Archipelago, each representing a different market venue that may execute transactions electronically for members.

[0010]   An additional market venue includes the process whereby dealers or market makers "internalize" orders and execute them as principal internally, without placing orders into Nasdaq SM, any ECN or other market for publication or interaction with other orders, or including such orders in their own market maker quotes. Dealer internalized orders represent additional pools of hidden liquidity that are not included in public quotation venues, but can be used by market makers to fill other customer orders on the other side of the market. If executed on a net price basis, the internalized order execution may not be included in any public quotations in any separate last sale figures, thereby reducing market impact of the execution.

[0011]   The Securities and Exchange Commission (SEC) has required some trading venues to be linked, such that prices entered by market makers or exchange specialists in ECNs that are better than their public quotes must be displayed publicly, such as in the Nasdaq SM system. Also, if broker-dealers receive customer limit orders (orders at a limit price), they may either execute the orders, include the order in their own market making bid, or display the order in an alternative market, such as an ECN that is electronically linked to Nasdaq SM to permit public display of the limit order (unless the customer requests that the order not be displayed). Orders from other institutional members of ECNs, however, need not be displayed in a public quotation system, and possible pools of liquidity are accessible by members only, unless the ECN represents five percent or more of the trading volume in a particular security.

[0012]   The number of securities offered for sale or purchasers by market makers at the NBBO, even if several market makers each may be quoting the best bid or offer

nationally, may not be large enough to fill larger sized orders. Therefore, if a customer wants to purchase or sell securities at a volume level larger than the NBBO, it may need to seek out alternative markets or trading venues to execute the full size of the order and at prices outside or inferior to the NBBO. The consolidated firm quotes of market makers, ECNs or exchange specialists at the NBBO may be thin, meaning such firms would be obligated to purchase or sell only a limited number of shares at the NBBO. Other market makers or dealers offering to quote at different price levels just below or above the NBBO also may not be willing to commit their capital to purchase or sell shares in any large amount.

[0013]   Therefore, the depth of a security's available liquidity typically may not be located in one market venue, but may be quoted in several market venues (or may be internalized on a dealer's limit order book), only some of which are accessible by brokers, dealers, market makers, or in Nasdaq SM. In order to reach that liquidity necessary to purchase or sell shares, an investor, dealer or market maker may need to interact with many different market venues or pools of liquidity, at different prices, to execute the complete size of the order. In addition, the customer would need to pay for "ticket" charges (clearance and settlement fees) and/or transaction fees for each execution necessary to complete the full size of the order.

[0014]   The speed of execution at the various UTP exchanges, ECNs and in Nasdaq SM varies, as well as the parameters, protocols and exceptions for orders receiving automated executions. The ability to execute a large order in many markets can be subject to significant delays or unwanted costs. Some investors or broker-dealers avoid certain markets if, for example, speed or automated execution is important to the transaction.

[0015]   A market maker's quotes in Nasdaq SM are firm quotes, meaning that market makers are obligated to purchase or sell securities at volume and price levels set by the market maker upon the presentment of an order. The number of shares

quoted by a market maker and the price selected are functions of each market maker's own risk in committing its capital to be at risk if short, or to carry an inventory of securities, and to maintain a long or short position until it can trade out of or unwind the position. Any inability to unwind a position, particularly for market makers with less capital to risk, may impair their own ability to make markets of any size.

[0016]   For those market makers that offer some form of automated execution service, several developments have made it more difficult to operate those auto-ex services for larger orders or during certain market conditions. Market making spreads (and profits) have narrowed significantly over the last few years, particularly with the competition of ECNs and alternative markets, and due to the advent of decimalization and the one-cent minimum price increment. Market makers trading Nasdaq securities, therefore, have found it more difficult to take risk by devoting capital to execute transactions or to carry long or short securities positions in inventory. These developments have caused market makers to reduce their ability to provide automated executions in response to customer orders, or they have limited the size of the order to reduce overall capital commitments, particularly at or near the NBBO where risk that a firm quote execution is more likely. The NBBO price, therefore, may be "flickering," with little trading interest or depth, but there may be greater willingness to trade or commit capital, and larger volume levels, at prices outside the NBBO and often at graduated levels of pricing.

[0017]   Because of decimalization, a one-cent minimum price increment, and market fragmentation, investors, dealers and market makers find it more difficult, time consuming and expensive to obtain a quick execution of a larger order. There is a wide range of price points quoted by intermediaries in different markets that investors may need to access in order to execute a larger order, as well as the ability for a market maker to trade out of the position and reduce its own inventory risk. Prices, and available liquidity, are known to move in split second timing due to other trading interest

in the market, such that a quote in Nasdaq SM, a UTP exchange or in an ECN may not be available by the time an investor or other market maker attempts to execute an order against a market maker's firm quote. This can further change the ultimate price of an execution, delay execution due to a lack of available liquidity and create principal trading risk for market makers.

[0018]   Many investors have a need for immediate execution, and many professional traders have sophisticated trading strategies for which they need to hedge or reduce their risk by purchasing a large block of securities. Therefore, speed and certainty of execution and a consistent price related to the NBBO can be an important trading characteristic that cannot be executed efficiently through a series of orders directed to various fragmented markets. Thus, there is a need for an automated execution system for securities transactions that enhances the speed and certainty of the transaction, especially for large orders.

SUMMARY OF THE INVENTION

[0019]   The present invention enables market makers to deliver to investors, brokers, dealers and other market makers (users) an automated execution service, typically of a larger order size, that captures available liquidity in one or more market venues selected by the user and meeting a user's need for speed and certainty of execution, including Nasdaq SM, certain UTP exchanges and certain ECNs, and capturing any undisclosed customer limit orders held by a market maker, all with the added benefit of reducing ticket charges, trading fees and the market impact of a transaction.

[0020]   The present invention also permits market makers to deliver to users an automated execution of larger size orders immediately at a "net price" based on the size weighted average price (SWAP) of securities traded in selected market venues, and

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with only one ticket charge, instead of separate partial fills and trade execution fees for each execution. A market maker also may permit a user to obtain automated executions of larger size orders immediately on a riskless principal basis, either obtaining a series of executions and prices, or requesting a single weighted average price. The execution module can rank each market venue and thereby decide whether to include or exclude them when pricing or executing orders based on an evaluation of speed, costs, quality of executions and other factors. A net price principal execution would attempt to reduce the market impact of a larger order because the SWAP executions may access a market maker's internal limit order book and reducing the number of lay-off transactions by the market maker.

[0021]   In accordance with the present invention market makers can efficiently manage trading risk and inventory replenishment or reduction using an integrated front end and back end computer network designed to maximize trading speed and efficiency. In particular, a market maker can immediately execute transactions in response to customer orders, on a principal or riskless principal basis, to permit the market maker to run an automated execution system under most market conditions and at larger order sizes. The risk management element includes an ability to route orders to the most advantageous market venues necessary to complete the order and to tap possible hidden pools of liquidity. The system also may enhance liquidity and execution of customer limit orders and reduce or unlock locked and crossed markets.

[0022]   Unlike other prior systems which attempt to create a network to deliver consolidated market information, data, analytics and order entry to terminals used by end-user investors, such as disclosed in U.S. patent no. 6,278,982, assigned to Lava Trading, Inc., the present invention is an integrated front end and back end service for market makers to provide investors with an automated execution service using only select market venues to maximize speed and certainty of execution and to manage inventory risk.

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[0023]   The invention uses various front end linkages to broker-dealers and institutional investors; internal market maker/dealer order book management and integration; and back end linkages to Nasdaq SM, UTP exchanges and ECNs to deliver aggregated liquidity from disparate market venues, while enabling a market maker to manage risk by accessing liquidity and executing orders in such market venues to replenish or reduce inventory. Users can obtain market pricing and volume information from various trading venues, and from an internal limit order book maintained by the market maker, and to select those venues that offer the user and/or market maker to maximize the speed and certainty of an execution, to pre-select the mode of execution (principal/riskless principal) and to determine execution pricing (net price, trade for trade riskless principal or average price riskless principal).

[0024]   From direct and indirect data feeds from and to these market venues, a market maker, as the operator of the system, can select those venues to receive and transmit data and provide a user different venues from which to obtain pricings and executions and that meet the market maker's and the user's trading and risk management needs. The system operator then can determine those markets with the best prices and different volume levels necessary to respond to a customer order. In response to a customer or user order, the system will permit the system operator to compile pricing and volume information from the trading venues selected. For a net price trade, the system will determine the best available prices in the trading venues selected and use that data to calculate a size weighted average price (SWAP) incorporated into the net price. The net price includes the SWAP and a pricing component that relates to a market maker's risk for trading as principal.

[0025]   In accordance with the invention, a user, when linked electronically through their computer terminal, can query the system to obtain sample net price quotes and/or to send an order to a market maker as a system operator to execute an order. The sample quote presentation may be provided as a graphic display of available

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liquidity and pricing at the NBBO, within Nasdaq SM and with an automated execution by the system operator at a net price as principal using the system, and a comparison of the number of executions needed to obtain NBBO and Nasdaq SM executions as compared to a single trade at a net price using the system.

[0026]   Upon receipt of a net price order by the market maker, the market maker's computer system will query pricing and volume information from selected market venues and determine the SWAP and net price. If a user selects a net price trade, the system will permit the market maker to first execute the full size of the order instantaneously as principal with the investor. The market maker will be at risk, but also can use the system to reduce that risk by immediately taking the securities purchased from the user and selling them to trading venues willing to purchase, or taking the securities sold to the user and purchasing additional shares in select venues to replenish inventory, if necessary. The system's algorithms, and access to alternative market venues, permits the market maker to select the best market or markets to reduce its trading position or risk, and in the most efficient manner. To the extent the market maker maintains an internal limit order book, it may offer an opportunity to decrease the market impact of an order, because the market maker may be able to internally execute those limit orders without executing corresponding transactions in other market venues and related trade reporting. This feature provides customers anonymous trading via internalization and protection of other customer limit orders.

[0027]   For riskless principal transactions, the service permits a market maker to access trading information in various trading or market venues, including Nasdaq SM, UTP exchanges and those ECNs of which it is a member, and execute orders against available liquidity in those markets, including those ECNs that are included by the system operator.

[0028]   The present invention allows users to choose to submit market, market with cap, or limit orders. A market with cap order allows the user to specify the price up

to which orders should be executed automatically, leaving any unfilled quantity to be executed manually on a market not held basis or possibly configured to reject the balance. For example, when a user clicks an "AutoFill Limit" button, an order is sent that specifies as a limit or market cap price the price returned in the last snapshot sample quote.

[0029]   Because a system operator can access Nasdaq SM, UTP exchanges and ECNs directly, it can obtain pricing and volume information necessary to determine whether there is sufficient liquidity in the market to exercise the full size of the order, and if so, to electronically and automatically execute orders in those trading venues. It also may use internal or other pools of liquidity to reduce risk. These features permit a market maker to manage its market making and capital commitment risks, thereby enhancing its ability to operate an automated execution service handling larger sized orders on a more continuous basis.

DESCRIPTION OF THE DRAWING

[0030]   These and other advantages of the present invention will be readily apparent from the following specification and attached drawing wherein:

[0031]   FIG. 1 is a screen shot of an exemplary order entry screen for use with the present invention, shown after a quote or an order has been requested to purchase 15,000 shares of COMS stock.

[0032]   FIGS. 2A-2C are screen shots of exemplary status screens which maintain the status of the various open positions and closed positions using the present invention.

[0033]   FIG. 3 is a block diagram of an automated securities execution system in accordance with the present invention.

[0034]   FIG. 4 is a data flow diagram of the software in accordance with the present invention.

DETAILED DESCRIPTION

[0035]   The present invention relates to an automated execution and risk management system for transactions in securities.   The system facilitates quick execution of orders, particularly larger orders, of securities for various clients, including broker-dealers and their customers and for institutional investors, whose paramount objectives for any particular transaction are the speed and certainty of an automated execution for an order size typically greater than the size displayed at the NBBO. The system, in accordance with the present invention, enables various users to capture greater depth and liquidity immediately and automatically and in a single execution (or in single or multiple riskless principal executions), unlike known systems which result in delayed or multiple executions, often at different prices, with multiple access fees and related costs. As such, the system, in accordance with the present invention, minimizes the risk that markets may move while an order is being filled.

[0036]   In accordance with an important aspect of the invention, as will be discussed in more detail below, orders, including larger size orders, are automatically executed as principal in one transaction and a net price that includes a size weighted average pricing synthesis of fragmented liquidity. In accordance with another aspect of the present invention, the system provides users with access to displayed and certain undisplayed liquidity efficiently in one automated net price transaction or a single or in multiple riskless principal transactions, typically in sizes greater than the displayed NBBO size. In particular, the system operator assumes the capital risk for executing orders as principal and assumes the market risk. Because the system permits an operator to trade as principal or riskless principal to fill the complete order size on an

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automated basis, investors have a greater likelihood of obtaining liquidity and completing their transaction immediately. The system manages trading and inventory risk by integrating internal order book and multiple market venues.

EXEMPLARY ORDER SCREENS

[0037]   An exemplary order screen in which a user can enter orders to purchase or sell securities is shown in FIG. 1 and identified with the reference numeral 20. An order entry screen 22 may also include a display of the status of open and closed positions and comparison quotations, as illustrated in FIG. 2A. Alternative status screens for maintaining the status of the various open and closed positions are shown in FIGS. 2 and 2C.

[0038]   Referring to FIG. 1, a user enters the type of transaction by typing a "B" for buy or "S" for sell, the number of shares and the trading symbol of the security (for example, B 15000 COMS means buy 15,000 shares of the security COMS) in an order entry box 24. A snapshot quote can be obtained by pressing a "Snapshot" button 26. A "Reload" button 28 provides additional sample quotations. A "Place Order" button 30 is provided for placing orders. When the "Place Order" button 30, or "AutoFill Limit" 47 button (FIG. 2B), is depressed, the system will execute the order as discussed below. A user may also enter a limit order price into the order entry box 24 (FIG. 1) along with the number of shares and the volume.

[0039]   In response to a snapshot quotation (or reload) request or a Place Order request, the system may be configured to display the requested order information, along with the following information. For example, the order entry screen 20 may display the number of shares from zero to the size of the order in equal increments, i.e., 0-15,000 in increments of 3000 as shown in FIG. 1. The order entry screen 20 may also display a

series of comparative information in several formats, for example, a plurality of bar graphs 32, 34 and 36, comparing pricing and execution information for the NBBO (national best bid and offer), SUMO (Nasdaq SuperMontage) and AUTOFILL (net price SWAP transaction). The bar graphs 32, 34 and 36 may display the number of shares available at the NBBO, in SUMO and through AUTOFILL. If an order size is too large, the graph will display a message "not enough liquidity" to indicate that there are not enough quotations in the market for AUTOFILL to complete the full size of the order.

[0040]   The order entry screen 20 may display the number of shares available at the NBBO and the price of all shares available at the NBBO under the term "Availability" in a box 38 labeled NBBO. Similarly, a box 40 labeled "SUMO," may be used to display the number of shares available in SUMO and the average price of all those shares under the term "Availability". An AUTOFILL box 42 may be used to display the number of shares requested by the user and show either the snapshot quote or the number of shares actually executed and the net price using the SWAP pricing under the term "Availability". If the user is set up to have orders executed on a riskless principal basis, instead of a net price basis, the AUTOFILL box under the term "Availability" may indicate the number of shares executed and the average price of all shares executed. The NBBO, SUMO and AUTOFILL boxes 38, 40 and 42 may indicate the number of separate executions or ticket charges the user would incur if the user separately were able to execute all shares at the price quoted at that point in time. For example as shown, in the sample Snapshot illustrated in FIG. 1 or order for B 15000 COMS, the user could have obtained 3600 shares at the NBBO price of $4.66 in 12 separate executions or ticket charges, the user could have obtained 13600 shares in SUMO at $4.6983 in 22 separate executions or ticket charges, or the user could obtain all 15000 shares at a net price of $4.68046 in one execution. For all net price trades, the number

of ticket charges in the AUTOFILL Tickets box will always be one. As noted in the example, the net AUTOFILL price also may be better than the price in SUMO.

[0041]   Orders can be cancelled by checking a "CANCEL" box 43 (FIG. 2A) on the status screen 22. Alternatively, orders can be cancelled and replaced by way of a "CR" (cancel/replace) button 49 (FIG. 2A). Depressing the cancel/replace button 49 causes orders to be cancelled and replaced with orders entered into a "short hand order" box 45. An AutoFill limit button 47 (FIG. 2B) is also provided. The AutoFill limit button initiates a limit order using the snapshot quote as a limit price.

[0042]   As an alternative display format, a user may select the alternative line graph button 44, which will display the same information as discussed above using line graphs and color coding to differentiate between NBBO, SUMO and AUTOFILL. The line graph displays the number of shares, the prices and the number of ticket charges.

SYSTEM DIAGRAM

[0043]   FIG. 3 illustrates an exemplary embodiment of a block diagram of the automated execution and risk management system for transactions in securities in accordance with the present invention, generally identified with the reference numeral 101. The system 101 may include a number of exemplary software modules, as shown, implemented in one or more servers. For the exemplary embodiment shown in FIG. 3, the system 101 may include a QFIX_CMM module 103; a QFIX_BRASS module 105; a BRASS PowerData feed 107; a rules engine 109; a price module 111; a pre-execution module 113; an execution module 115 and an atomic order router 117.

[0044]   The QFIX_CMM module 103 is a gateway or portal for all clients. In one embodiment of the invention, the QFIX_CMM module 103 is configured as a financial information exchange (FIX) engine that allows clients 121 to communicate over a

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network atomic order router 117, which may be a secured network, such as virtual private network (not shown) using FIX protocol. FIX protocol is an open-source protocol that defines the format of messages on a session-level interaction between two applications, such as an application between clients 121 and the QFIX_CMM module. Additional information regarding the FIX protocol is available at www.fixprotocol.org.

[0045] It is to be understood that communications between the clients 121 and the system 101 may be other than by way of the FIX protocol. Virtually any communication protocol can be used. The FIX protocol described and illustrated is merely exemplary.

[0046] The system is configured to allow clients 121 to send orders, request snapshots and reload requests. Cancel and cancel/replace requests may be accepted for orders that have not been completely filled. Orders sent by clients 121 using the FIX protocol are received by the QFIX_CMM module 103 which may convert the order to a different protocol after which the order is passed on to the QFIX_BRASS module 105. The QFIX_BRASS component 105 monitors the system's open order book, as maintained by a BRASS feed 107. The BRASS feed 107 may be, for example, a PowerData feed, available from SunGard Trading Systems/BRASS (www.sungard.com). The Brass PowerData feed 107 provides a single point of access to multiple trading venues 123, such as multiple electronic communication networks (ECNs) maintained, for example, by BRUT, Island, Archipelago and Instinet, B-Trade, and the Nasdaq SM. In particular, the PowerData feed 107 is a digital feed of real time exchange and market data for integration into dynamic applications. This feed 107 synthesizes price and trading information into a single data stream.

[0047] The QFIX_BRASS module 105 communicates with a rules engine 109, a price module 111 and pre-execution module 113 in order to process orders for securities as shown in FIG. 3. Orders are executed by a "dumb" order system which may include an execution module 115 and an atomic order router 117. The pre-

execution module 113 and the execution module 115 are available form Magic Works, LLC, East Windsor, New Jersey. Other software is also suitable, such as PowerNet, available from SunGard Trading Systems (www.sungard.com). The source code for the Atomic Order Router 117 is contained on the compact disk Appendix.

RULES ENGINE

[0048]   The rules engine 109 is a database-driven component that defines specific rules for each customer. For orders marked with a special flag (i.e., AutoFill flag) that meets the requirements set forth in the rules engine 109, the order is sent first to the price module 111 and subsequently to the pre-execution module 113. The rules engine 109 allows each order to be customized for each customer or user. As such, orders may be configured to create rules at the following levels: customer, symbol, price level, branch, order (buy or sell), trade mode (risk, riskless, agency model), takeout mode and quantity and stored in a database before any orders are placed.

[0049]   The rules engine 109 may also be used to determine customer pricing. The rules engine 109 can be used to regulate on a per-customer, per-branch basis the quality of execution pricing above and beyond liquidity available in Nasdaq's SM, the number of price levels within ECN books, as well as the system operator's own order book.

[0050]   Risk management rules may be used to determine the trading mode and manner in which the orders are to be handled. For example, the system may be configured to handle trades on different levels as follows:

[0051]   •   Number of pricing levels to be included on a per customer/branch/symbol basis.

[0052]   •   Which price levels to use, and what percentage of each.

[0053] • Percentage of Liquidity check rule specifies that if an order is less than a configurable percentage of NBBO size, do not perform auto-takeout unless *customer is riskless principal.*

[0054] • The Rules Engine may also provide a rounding rule configurable for all conventional rounding methods.

[0055] • risk principal – Transactions are automatically executed at a size weighted-average pricing synthesis of fragmented liquidity.

[0056] • riskless principal – The system may also be configured to enable securities transactions in a riskless principal mode. Riskless principal trading relates to orders filled utilizing the actual market maker execution price plus a mark-up or mark down and separate ticket charges for each transaction.

[0057] • agency mode – This mode includes riskless principal trades where a market maker delivers a single execution to the customer using the average price of executions plus markup/markdown and a single ticket charge.

[0058] The rules engine 109 can also be used to assign a pricing component that relates to a market makers risk for trading as principal. *This pricing component may be integrated into a net price principal trade and reported to the tape as such.*

PRICE MODULE

[0059] A price module 111 computes the pricing, utilizing the various business rules from the rules engine 109. The price module 111 receives requests from the QFIX_BRASS module 105 and determines the quantity and price or prices at which the order is executed. The system may also provide a rounding rule configurable for all conventional rounding methods.

[0060]   For AUTOFILL net price trade modes, the price module 111 calculates a net price as discussed below for the order and posts it in the box 42 (FIG. 1) on the order entry screen 20.   An example of a SWAP price calculation is provided below. Data from the price module is then passed on to the pre-execution module 113.   The pre-execution module 113 plans and monitors execution of large orders from the QFIX_BRASS module 105.   In general, the execution module 115 receives requests from the QFIX_BRASS module 105 for auto-takeout and logs the execution.

ORDER EXECUTION

[0061]   Orders may be executed by way of order execution module 115 and an atomic order router 117.   The execution module 115 plans and monitors execution of large orders through atomic orders and enforces price limits for auto-takeout. The order execution module 115 is a "dumb" system that simply executes orders under the influence of the pre-execution module 113.   The pre-execution module 113 also interacts with manual overrides and cancellations to adjust the order size. Orders from the order execution module 115 are passed on to an atomic order router 117 that executes the order. The atomic order router 117 interacts with different ECNs, as well as with Nasdaq's SM, and selects the best route for execution of an immediate order. The atomic order router 117 maintains a state machine for atomic orders and provides a status, such as acknowledged, partial fill and cancelled. Various systems may be used for the pre-execution module 113 and the order execution module 115 as discussed above.

DATA FLOW DIAGRAM

[0062]   FIG. 4 illustrates a software data flow diagram for the automated execution and risk management system 101 for securities transactions in accordance with the present invention. Initially, the QFIX_CMM module 103 listens for customers to

log in. During a ready condition, the QFIX_CMM module 103 is connected to the QFIX_BRASS module 105, which, in turn, is logged into the BRASS module 107. As mentioned above, the BRASS PowerData feed 107 maintains the order book for the system. Initially, in step 119, an order from a client 121 is received in FIX format. The order is converted to another format compatible with the system by the QFIX_CMM module 103 and passed on to the QFIX_BRASS module 105 in step 123. The QFIX_BRASS module 105 checks the order to determine if it is designated as an autofill order in step 130. If not, the system reverts to the QFIX_BRASS module 105 in step 131. For non-autofill orders, the QFIX_BRASS module 105, in turn, sends the order to the BRASS module 107 in step 122. The BRASS module acknowledges the order and returns an acknowledgement to the QFIX_BRASS module 105 in step 124, which, in turn is acknowledged back to the QFIX_CMM module 103 in step 126. The QFIX_CMM module 103 converts the acknowledgement to FIX protocol, for example, and acknowledges the order back to the customer in step 128. Once an order is acknowledged, the client can receive full or partial execution for these orders and can cancel or replace any unexecuted portion of the order. Each of these commands and acknowledgements are handled in the same manner as discussed above.

[0063]   If the order is an autofill order, the system 101 automatically executes the order according to a predetermined set of rules stored in the rules engine 109. As discussed above, these rules may include trade mode (risk, riskless, agency model), takeout mode and quantity. Other rules may also be incorporated. The rules are stored on a customer level. Clients of customers may be subjected to the same rules as the customer and for market makers as systems operators. As such, when customers place an order, the system 101 automatically retrieves the rules for the customer placing the order and automatically fills the order according to the rules for that customer if the "Place Order" button 30 (FIG. 1) is depressed on the order screen. Alternatively, if the "Snapshot" button 26 or "Reload" button 28 are depressed, the

system merely returns sample quotation data and comparative quotation data for the indicated transaction.

[0064]   The system 101 continuously checks in step 130 to determine if autofill orders have been placed.   If an autofill order has been placed, as determined in step 130, the system 101 checks the rules engine 109 in step 132 to determine if a rule exists in its database for the particular order, customer or symbol combination. If there is no rule, the order is handled by QFIX_BRASS module 105 and executed per default rules, if they exist, or otherwise as a non-autofill order in step 133. If a rule does exist for the particular customer, as determined in step 132, the QFIX_BRASS module 105 obtains the information from the rules engine 109 regarding how the order is to be processed (i.e., auto-takeout/no auto-takeout), price levels, principal auto-fill, riskless principal, trade-for-trade, or agency model-riskless with one ticket. The QFIX_BRASS module 105 utilizes this information to format a price request for the price module 111 in step 134. In response thereto, the price module 111 returns a customer execution price and the available quantity to the QFIX_CMM module 105 in step 136.

[0065]   The system 101 next checks in step 138 whether the price request submitted by QFIX_CMM 103 is rejected by the price module 111. If the price request is not rejected, the system 101 next checks in step 140 the trade mode. In particular, the system 101 first determines whether the order is an auto-takeout order. If not, the system 101 determines in step 142 whether the order is marked as a principal order and whether or not there is sufficient liquidity. If so, the order is formatted and sent to the QFIX_BRASS module 105 in step 144 for execution. If there is not enough liquidity, the order is marked as "not enough liquidity available" and will revert to the QFIX_BRASS module in 105 and follow the rule for that customer in step 145. If the order is set for auto take out, the system checks whether the order is a principal order and sufficient liquidity exists as determined in step 146, and if so, the order is sent in step 148 to the QFIX_BRASS module 105 for execution.

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[0066] In step 150, the system checks whether a partial fill rule exists. In particular, if the size of the order is less than a certain percentage of the overall liquidity, the order is executed in step 151. If the order size is not less than a certain percentage of the liquidity, the limit order protection is calculated in step 152. For auto-takeout orders, in a principal mode, the system 101 determines whether enough liquidity exists, in step 154. If the order is an auto-takeout order, the lesser of the original quantity or available liquidity minus limit order protection obligations as determined in steps 152 and 158 is determined and sent to the pre-execution module 113 in step 158. The trade is then sent to the QFIX_BRASS module 105 in step 160. When the trade arrives, the QFIX_BRASS module 105 formats the trades and sends it to the execution module 115 in step 164. The QFIX_BRASS module 105 checks in step 166 whether the order was a riskless principal order with multiple tickets or whether there was not enough liquidity. If yes, then the QFIX_BRASS module 105 formats the executions and sends them to the execution module 115 after each trade is sent is step 168. If the trade order is marked riskless principal with a single ticket, as indicated in step 170, a single execution will be formatted by the QFIX_BRASS module 105 and sent to the Brass module 105 in step 172 after the final message arrives from the pre-execution server 113. All requests for orders that are received by the QFIX_CMM module 103 and executed by the system are sent back to the client. A database archives all underlying orders that comprise the price returned for snap quotes, as well as for those that comprise the actual customer execution price and the risk management take-out.

NET PRICE

[0067] The net price of any AutoFill execution is comprised of two elements. All net prices are computed at the time an order is received. The first element is the size weighted average price (SWAP) of "displayed" market participant quotes on the opposite side of the order (i.e., sell orders measure the SWAP of market participant bid

quotes; buy orders measure the SWAP of market participant offer quotes).[1]   SWAP

calculations, including levels of displayed liquidity captured or included in a price, may

vary from user to user. SWAP also will include any price improvement due to rounding

of some ECN pricing data.   Some market participant quotes (currently the American

Stock Exchange) may be excluded from the SWAP calculation (and corresponding

size/liquidity). The SWAP component may include the system operator's own market

maker quotation (which may include customer limit orders) if the system operator's

quote is at the NBBO or otherwise is necessary to fill the order, as well as any limit

order received by system operator and displayed in an ECN. In a net price trade, the

system operator may not be trading on a riskless principal basis. Therefore, the SWAP

component of the net price may not be based on the system operator's own price when

purchasing (selling) those shares and then reselling (repurchasing) them to the

customer. The SWAP component only represents displayed liquidity in the market, but

provides a useful, consistent pricing measurement directly related to the market as

reflected in system operator's net price.

[0068]   The SWAP price is calculated as provided below:

SWAP = $(S_1 {}^* P_1 + S_2 {}^* P_2 \ldots.$ to $S_n {}^* P_n) / (S_1 + S_2 \ldots S_n)$, where

p_n = price of shares

S_n = number of shares at price pn

[0069]   The second element of the net price is the risk factor. Because the

system operator is trading as principal and subject to market risk, the net price may be

outside the actual SWAP by an amount based on the market capitalization or liquidity of

---

[1] The "displayed" liquidity means market participant quotes in the national market system for Nasdaq-
listed securities, including quotes by market makers and ECNs in Nasdaq's SM and the NASD's ADF, and
by specialists on UTP exchanges. The displayed liquidity would not include other potential liquidity not
displayed to the public; for example, it would not include any "reserve size" or undisplayed limit orders. In
addition, a system operator may, from time to time, exclude from the SWAP certain quotes and volume
figures from some UTP exchanges, ECNs or other market participants trading Nasdaq stocks. Omitting
certain quotes and volume figures may limit a system operator's own ability to offer liquidity that may be
displayed in some market centers.

the security in question, the depth of the market, the size of the order, market access fees, system operator's risk management and trading firewall policies and the trading characteristics of the user. The system operator likely will have access to all major market participants, and pay related access and user fees. The system operator may negotiate at arms length different pricing parameters including different SWAP pricing levels with each participating dealer, order routing broker-dealer or institutional customer, which may change from time to time based on the above factors.

[0070]   As a principal trade at a net price, the net price will be the same price reported to the consolidated tape.

Pricing Request Protocol

[0071]   Exemplary protocol for requesting pricing is provided below:

- The Liquidity Prices provider acts as a server
- The Rules Engine acts as a client
- Connection: TCP/IP, client opens connection to server on a specified port (default 31103)
- Communication between the server and client consists of ASCII text lines terminated by <EOL> sequences ("\r\n");
- (*) After the connection is established, client is prompted for login and password: it monitors input for a string "login:" and sends login string followed by <EOL> ("\r\n"); then monitors input for string "password:" and sends password string followed by <EOL>. Server sends a string starting from an error code. Error codes are: 230 (*access granted*) and 530 (*access denied*).
- (*) Client has 3 attempts for login, after third unsuccessful server drops the connection;
- After login, client ignores all lines starting with space (ASCII 32). They are debug messages. Client may log them.
- At any time if connection is lost the client must be able to detect that and reconnect to the server. After reconnection, client must (if needed) resend pending requests to the server.

SWAP Liquidity Price Request

- Client sends request strings followed by <EOL>. Each request starts with ASCII letter 'R' for SWAP liquidity specifying that this is a request for liquidity price. Fields in the request string are separated by one or more spaces (ASCII 32). Request

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format is as follows:

R   <request id>   <symbol>   [-]<number of shares>   <price cap>   [<ECN levels>] <EOL>

- o <request id> - any unique for this session integer (client may use a simple integer counter incrementing with every request; counter is reset when the connection is established)
- o <symbol> - symbol for the security
- o <number of shares> - integer specifying number of shares, negative value means sell, positive – buy)
- o <price cap> - could be 0 (means no cap), otherwise is treated as a double float value of the price cap
- o <ECN levels> - number of ECN book levels included in the calculation, default – no limit. The server includes no more than specified number of price levels when looking for liquidity in available ECN books, although it uses all possible price levels of the NASDAQ montage (Level II or Super montage).
- o <EOL> - "\r\n" sequence

Examples:
R   12345 MSFT -100 24.6 2
R   12346 AAPL 30000 0

- • Server asynchronously sends reply messages. They are started with ASCII letter 'Q' and have format as follows:

Q   <request id> <symbol>   [-]<number of shares>   <liquidity price>
(Continued from previous line)   **<Market 1 SWAP data> [<Market 2 SWAP data>] <EOL>**

- o <request id> - the original request id from the R message;
- o <symbol> - symbol for the security
- o <number of shares> - integer specifying number of shares, negative value means sell, positive – buy)
- o <liquidity price> - double float value for the liquidity price
- o <Market SWAP data> syntax:
  <Market Symbol>=<number of shares>:<liquidity price>

- o <EOL> - "\r\n" sequence"

Examples:
Q 12345 MSFT -100 24.6 ISLD=-100:24.6
Q 12346 AAPL 10000 14.4 ISLD=100:14.4 INST=900:14.4

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If the price cap is not specified in the request message, and total market liquidity is less than specified in the request, <number of shares> gives the total available liquidity.

Periodical SWAP Liquidity Price Request

This request is similar to the simple SWAP Liquidity Price Request; the difference is that the client specifies the update time (in seconds) and the server sends Q packets periodically. The first Q response is sent immediately after the request. Every consecutive Q response has the same ID as the corresponded request; this gives an opportunity to distinguish between responses even if they have the same symbol and other parameters.

Syntax for the Periodical SWAP Liquidity Price Request:

P   <request id>   <symbol>   [-]<number of shares>   <price cap>   <time interval>
(continued) **[<ECN levels>] <EOL>**

<time interval> - update time in seconds (*). Default is 1 sec.

Example:
P 12345 MSFT -100 24.6 5 2

The client will receive updates every <time interval> seconds, until it disconnects or issues an unsubscribe request in the form:

F <request id>
<request id> - the same request id as in the first P packet.

Example:
F 12345

(*) – Optional

BBO request

- This type of request starts with 'B' followed by integer request id, symbol, and <EOL>:

B   <request id>   <symbol>   <EOL>

   o   <request id> - any unique for this session integer (client may use a simple

integer counter incrementing with every request; counter is reset when the connection is established)
  o <symbol> - symbol for the security
  o <EOL> - "\r\n" sequence
Example:

B 12345 MSFT

- If symbol is recognized by the server, it sends a reply starting with 'O':

O <request id> <symbol> <BBO ask>:<BBO ask size>/<BBO bid>:<BBO bid size>
(Continued from previous line) **[<Market BBO quote 1>] [<Market BBO quote 2>] ...**
=OL>

<Market BBO quote> syntax:
<Market Symbol>=<Best ask>:<Best ask size>/<Best bid>:<Best bid size>

Example:

O 12345 MSFT 25.79:18600/25.78:11000 ISLD=25.79:2000/25.77:100
IST=25.79:9400/25.78:700

Periodical BBO request

This is a variation of the BBO request for the case if the client needs to receive BBO packets (type O) periodically. The syntax is as follows:

N <request id> <symbol> <time interval> <EOL>

<time interval> - update time in seconds (default: 1 sec)

The client will receive updates every <time interval> seconds, until it disconnects or issues an unsubscribe request in the form:

F <request id>
     <request id> - the same request id as in the first N packet.

[0072]

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[0073]   Obviously, many modifications and variations of the present invention are possible in light of the above teachings. Thus, it is to be understood that, within the scope of the appended claims, the invention may be practiced otherwise than as specifically described above.

[0074]   What is claimed and desired to be covered by a Letters Patent is as follows:

```
                                    dir.txt
Volume in drive D is CAF
Volume Serial Number is 0E6E-3BA2

Directory of D:\

10/31/2003   01:36p      <DIR>          cvs
11/04/2003   10:16a            30,483,968 cvs.Mon.tar
             1 File(s)      30,483,968 bytes

Directory of D:\cvs

01/01/1601   12:00a      <DIR>          .
01/01/1601   12:00a      <DIR>          ..
09/15/2003   09:58a      <DIR>          .ssh
10/24/2003   02:02p      <DIR>          auto fill VT
10/31/2003   04:08p      <DIR>          autoFill
10/24/2003   02:02p      <DIR>          AUTOFILL_SNAPSHOT
10/31/2003   04:04p      <DIR>          cafweb
10/31/2003   04:01p      <DIR>          cmm
10/30/2003   02:54p      <DIR>          CVSROOT
10/31/2003   04:01p      <DIR>          ets
10/24/2003   02:02p      <DIR>          FOREIGN_QUOTES
10/31/2003   04:08p      <DIR>          prule
10/24/2003   02:03p      <DIR>          qfix
09/19/2003   11:24a      <DIR>          syblib
10/22/2003   10:43a      <DIR>          tmp
10/30/2003   02:55p            9,955 .bash_history
08/23/2002   02:01p               24 .bash_logout
08/23/2002   02:01p              191 .bash_profile
08/23/2002   02:01p              124 .bashrc
08/28/2002   05:57p              854 .emacs
09/10/2002   01:00p              120 .gtkrc
10/30/2003   02:54p            5,466 .viminfo
09/23/2003   08:32a               56 .xauthJcCSDN
10/24/2003   12:29p               66 .Xauthority
10/30/2003   10:58a               65 .xauthzfam6x
09/15/2003   11:02a               71 backup_sh
10/24/2003   02:06p            5,027 cvscommitemail.pl
10/27/2003   10:44a            1,173 dead.letter
             13 File(s)       23,192 bytes

Directory of D:\cvs\.ssh

01/01/1601   12:00a      <DIR>          .
01/01/1601   12:00a      <DIR>          ..
09/15/2003   09:58a              887 id_rsa
09/15/2003   09:58a              225 id_rsa.pub
10/28/2003   04:21p              439 known_hosts
             3 File(s)        1,551 bytes

Directory of D:\cvs\AUTOFILL_SNAPSHOT

01/01/1601   12:00a      <DIR>          .
01/01/1601   12:00a      <DIR>          ..
10/28/2003   03:35p      <DIR>          NES_webserver
10/24/2003   02:02p      <DIR>          VT_environment
             0 File(s)            0 bytes

Directory of D:\cvs\AUTOFILL_SNAPSHOT\NES_webserver

01/01/1601   12:00a      <DIR>          .
01/01/1601   12:00a      <DIR>          ..
10/06/2003   07:33a          770,068 AutoFill client.fla,v
                                    Page 1
```

```
                                      dir.txt
09/25/2003   09:36a                4,371 autoFill.jsp,v
09/25/2003   09:36a               93,096 AutoFill.swf,v
09/25/2003   09:36a                1,201 autoFill_fs.jsp,v
09/25/2003   09:36a                2,286 autoFill_topframe.htm,v
09/29/2003   03:40a                  363 test file.htm,v
                  6 File(s)       871,385 bytes

     Directory of D:\cvs\AUTOFILL_SNAPSHOT\VT_environment

01/01/1601   12:00a      <DIR>          .
01/01/1601   12:00a      <DIR>          ..
09/25/2003   09:36a                4,066 autoFill.asp,v
09/30/2003   12:55p                3,902 autoFill.asp.development,v
09/25/2003   09:36a               33,759 checkDisclaimer.asp,v
09/25/2003   09:36a                2,132 checkFlash.htm,v
09/25/2003   09:36a               30,946 disclaimer work.htm,v
09/25/2003   09:36a                  671 signAgreement.asp,v
                  6 File(s)        75,476 bytes

     Directory of D:\cvs\CVSROOT

01/01/1601   12:00a      <DIR>          .
01/01/1601   12:00a      <DIR>          ..
08/27/2003   01:31p      <DIR>          Emptydir
09/23/2003   10:59a                  493 .#checkoutlist
09/23/2003   10:59a                  760 .#commitinfo
09/23/2003   10:59a                  987 .#config
09/23/2003   10:59a                  602 .#cvswrappers
09/23/2003   10:59a                1,025 .#editinfo
09/23/2003   10:59a                1,141 .#loginfo
09/23/2003   10:59a                1,151 .#modules
09/23/2003   10:59a                  564 .#notify
09/23/2003   10:59a                  649 .#rcsinfo
09/23/2003   10:59a                  879 .#taginfo
09/23/2003   10:59a                1,026 .#verifymsg
10/24/2003   02:10p                4,096 .loginfo.swp
10/15/2003   02:20p                  493 checkoutlist
08/27/2003   01:31p                  692 checkoutlist,v
10/27/2003   09:41a                  760 commitinfo
08/27/2003   01:31p                  959 commitinfo,v
10/30/2003   12:25p               15,616 commitlog
10/15/2003   02:20p                  987 config
08/27/2003   01:31p                1,186 config,v
10/15/2003   02:20p                  602 cvswrappers
08/27/2003   01:31p                  801 cvswrappers,v
10/15/2003   02:20p                1,025 editinfo
08/27/2003   01:31p                1,224 editinfo,v
11/03/2003   07:12a               87,736 history
10/30/2003   09:57a                1,334 loginfo
08/27/2003   01:31p                1,340 loginfo,v
10/30/2003   02:54p                5,280 mail-to-dev.pl
10/15/2003   02:20p                1,151 modules
08/27/2003   01:31p                1,350 modules,v
10/15/2003   02:20p                  564 notify
08/27/2003   01:31p                  763 notify,v
10/06/2003   11:39a                   37 passwd
10/15/2003   02:20p                  649 rcsinfo
08/27/2003   01:31p                  848 rcsinfo,v
10/15/2003   02:20p                  879 taginfo
08/27/2003   01:31p                1,078 taginfo,v
08/27/2003   01:31p                    0 val-tags
10/15/2003   02:20p                1,026 verifymsg
08/27/2003   01:31p                1,225 verifymsg,v
                                      Page 2
```

```
                                          dir.txt
                39 File(s)        142,978 bytes

    Directory of D:\cvs\CVSROOT\Emptydir

01/01/1601  12:00a      <DIR>          .
01/01/1601  12:00a      <DIR>          ..
                 0 File(s)             0 bytes

    Directory of D:\cvs\FOREIGN_QUOTES

01/01/1601  12:00a      <DIR>          .
01/01/1601  12:00a      <DIR>          ..
09/30/2003  12:55p          8,110 gatorXMLParser.jsp,v
09/30/2003  12:55p          1,986 globalQuotes_form.htm,v
09/29/2003  05:25a            901 globalQuotes_fs.htm,v
                 3 File(s)        10,997 bytes

    Directory of D:\cvs\auto fill VT

01/01/1601  12:00a      <DIR>          .
01/01/1601  12:00a      <DIR>          ..
09/23/2003  11:00a          4,059 autoFill.asp,v
09/23/2003  11:00a         43,039 checkDisclaimer.asp,v
09/23/2003  11:00a          2,125 checkFlash.htm,v
09/23/2003  11:00a         30,939 disclaimer work.htm,v
09/23/2003  11:00a            664 signAgreement.asp,v
                 5 File(s)        80,826 bytes

    Directory of D:\cvs\autoFill

01/01/1601  12:00a      <DIR>          .
01/01/1601  12:00a      <DIR>          ..
10/31/2003  04:08p      <DIR>          VT_environment
09/23/2003  10:54a        410,297 AutoFill client.fla,v
09/23/2003  10:54a          4,358 autoFill.jsp,v
09/23/2003  10:54a         93,083 AutoFill.swf,v
09/23/2003  10:54a          1,188 autoFill_fs.jsp,v
09/23/2003  10:54a          2,273 autoFill_topframe.htm,v
                 5 File(s)       511,199 bytes

    Directory of D:\cvs\autoFill\VT_environment

01/01/1601  12:00a      <DIR>          .
01/01/1601  12:00a      <DIR>          ..
09/23/2003  10:54a          4,053 autoFill.asp,v
09/23/2003  10:54a         43,033 checkDisclaimer.asp,v
09/23/2003  10:54a          2,119 checkFlash.htm,v
09/23/2003  10:54a         30,933 disclaimer work.htm,v
09/23/2003  10:54a            658 signAgreement.asp,v
                 5 File(s)        80,796 bytes

    Directory of D:\cvs\cafweb

01/01/1601  12:00a      <DIR>          .
01/01/1601  12:00a      <DIR>          ..
10/31/2003  04:04p      <DIR>          src
                 0 File(s)             0 bytes

    Directory of D:\cvs\cafweb\src

01/01/1601  12:00a      <DIR>          .
01/01/1601  12:00a      <DIR>          ..
10/31/2003  04:04p      <DIR>          com
                                       Page 3
```

```
                                                      dir.txt
10/31/2003  04:04p        <DIR>               jsp
               0 File(s)                      0 bytes

    Directory of D:\cvs\cafweb\src\com

01/01/1601  12:00a        <DIR>               .
01/01/1601  12:00a        <DIR>               ..
10/31/2003  04:04p        <DIR>               crown
               0 File(s)                      0 bytes

    Directory of D:\cvs\cafweb\src\com\crown

01/01/1601  12:00a        <DIR>               .
01/01/1601  12:00a        <DIR>               ..
10/31/2003  04:04p        <DIR>               nes
               0 File(s)                      0 bytes

    Directory of D:\cvs\cafweb\src\com\crown\nes

01/01/1601  12:00a        <DIR>               .
01/01/1601  12:00a        <DIR>               ..
10/31/2003  04:04p        <DIR>               common
10/31/2003  04:04p        <DIR>               parser
10/31/2003  04:04p        <DIR>               pricecatcher
10/31/2003  04:04p        <DIR>               pricing
10/31/2003  04:04p        <DIR>               rules
10/31/2003  04:04p        <DIR>               server
10/31/2003  04:04p        <DIR>               util
10/31/2003  04:04p        <DIR>               web
               0 File(s)                      0 bytes

    Directory of D:\cvs\cafweb\src\com\crown\nes\common

01/01/1601  12:00a        <DIR>               .
01/01/1601  12:00a        <DIR>               ..
09/22/2003  09:55a                     978 Constants.java,v
               1 File(s)                    978 bytes

    Directory of D:\cvs\cafweb\src\com\crown\nes\parser

01/01/1601  12:00a        <DIR>               .
01/01/1601  12:00a        <DIR>               ..
09/22/2003  09:55a                     668 IRuleEventReceiver.java,v
09/22/2003  09:55a                     882 RuleEventObject.java,v
09/22/2003  09:55a                   6,140 RuleParser.java,v
09/22/2003  09:55a                   1,680 RuleParserConstants.java,v
09/22/2003  09:55a                   3,867 RuleProcessInfo.java,v
               5 File(s)               13,237 bytes

    Directory of D:\cvs\cafweb\src\com\crown\nes\pricecatcher

01/01/1601  12:00a        <DIR>               .
01/01/1601  12:00a        <DIR>               ..
09/22/2003  09:55a                   8,515 Configuration.java,v
09/22/2003  09:55a                  10,538 PriceCatcher.java,v
09/22/2003  09:55a                   1,645 PriceDataGroup.java,v
09/22/2003  09:55a                   1,999 PriceDataKey.java,v
09/22/2003  09:55a                  10,761 PriceDataMart.java,v
09/22/2003  09:55a                   7,750 PriceDataProcessor.java,v
               6 File(s)               41,208 bytes

    Directory of D:\cvs\cafweb\src\com\crown\nes\pricing
```

```
                                               dir.txt
01/01/1601   12:00a      <DIR>           .
01/01/1601   12:00a      <DIR>           ..
09/22/2003   09:55a            2,513 BBOPriceReq.java,v
09/22/2003   09:55a            3,178 BBOPriceResp.java,v
09/22/2003   09:55a            1,301 PriceConstants.java,v
09/22/2003   09:55a            5,260 PriceDataCache.java,v
09/22/2003   09:55a              687 PriceException.java,v
09/22/2003   09:55a           15,386 PriceManager.java,v
09/22/2003   09:55a           16,200 PriceParser.java,v
09/22/2003   09:55a              705 PriceParserException.java,v
09/22/2003   09:55a           15,484 PriceReader.java,v
09/22/2003   09:55a              902 PriceReq.java,v
09/22/2003   09:55a              794 PriceResp.java,v
09/22/2003   09:55a            4,754 PriceSvrConnector.java,v
09/22/2003   09:55a            2,734 SubsMgr.java,v
09/22/2003   09:55a            4,694 SwapPriceReq.java,v
09/22/2003   09:55a            2,320 SwapPriceResp.java,v
                  15 File(s)       76,912 bytes

    Directory of D:\cvs\cafweb\src\com\crown\nes\rules

01/01/1601   12:00a      <DIR>           .
01/01/1601   12:00a      <DIR>           ..
09/22/2003   09:55a              665 IRule.java,v
09/22/2003   09:55a              768 IRuleEvalObj.java,v
09/22/2003   09:55a              924 IRuleKey.java,v
09/22/2003   09:55a            8,929 NESRule.java,v
09/22/2003   09:55a            8,451 NESRuleTreeKey.java,v
09/22/2003   09:55a            5,176 RoundingRule.java,v
09/22/2003   09:55a           13,047 RoundingRuleData.java,v
09/22/2003   09:55a            4,086 RoundingRulesCache.java,v
09/22/2003   09:55a            8,353 RoundingRuleTreeKey.java,v
09/22/2003   09:55a            1,700 RuleBearer.java,v
09/22/2003   09:55a            1,027 RuleConstants.java,v
09/22/2003   09:55a           10,370 RulesCache.java,v
                  12 File(s)       63,496 bytes

    Directory of D:\cvs\cafweb\src\com\crown\nes\server

01/01/1601   12:00a      <DIR>           .
01/01/1601   12:00a      <DIR>           ..
09/22/2003   09:55a           17,324 NESRuleProcessor.java,v
09/22/2003   09:55a           26,590 RoundingRuleProcessor.java,v
09/22/2003   09:55a            5,288 RuleSvrThread.java,v
09/22/2003   09:55a            3,152 SvrConfiguration.java,v
                   4 File(s)       52,354 bytes

    Directory of D:\cvs\cafweb\src\com\crown\nes\util

01/01/1601   12:00a      <DIR>           .
01/01/1601   12:00a      <DIR>           ..
10/31/2003   04:04p      <DIR>           db
10/31/2003   04:04p      <DIR>           logging
09/22/2003   09:55a            2,645 NESUtil.java,v
                   1 File(s)        2,645 bytes

    Directory of D:\cvs\cafweb\src\com\crown\nes\util\db

01/01/1601   12:00a      <DIR>           .
01/01/1601   12:00a      <DIR>           ..
09/22/2003   09:55a            6,791 ConnectionMgr.java,v
09/22/2003   09:55a            3,199 DBConfiguration.java,v
09/22/2003   09:55a            3,166 DBUtil.java,v
                                    Page 5
```

```
                                        dir.txt
09/22/2003   09:55a                 621 IResultSetProcessor.java,v
09/22/2003   09:55a                 615 IUpdateProcessor.java,v
09/22/2003   09:55a                 731 NullSQLType.java,v
09/22/2003   09:55a               2,949 SQLExecuter.java,v
                 7 File(s)        18,072 bytes

 Directory of D:\cvs\cafweb\src\com\crown\nes\util\logging

01/01/1601   12:00a     <DIR>          .
01/01/1601   12:00a     <DIR>          ..
09/22/2003   09:55a               1,658 LogFormatter.java,v
                 1 File(s)         1,658 bytes

 Directory of D:\cvs\cafweb\src\com\crown\nes\web

01/01/1601   12:00a     <DIR>          .
01/01/1601   12:00a     <DIR>          ..
09/22/2003   09:55a               6,150 NESDataServlet.java,v
09/22/2003   09:55a               1,347 WebRoundRuleEvalObj.java,v
09/22/2003   09:55a               1,811 WebRuleEvalObj.java,v
                 3 File(s)         9,308 bytes

 Directory of D:\cvs\cafweb\src\jsp

01/01/1601   12:00a     <DIR>          .
01/01/1601   12:00a     <DIR>          ..
09/22/2003   09:55a               4,274 autoFill.jsp,v
09/22/2003   09:55a              92,892 AutoFill.swf,v
09/22/2003   09:55a               1,213 autoFill_fs.jsp,v
09/22/2003   09:55a               2,289 autoFill_topframe.htm,v
09/22/2003   09:55a              19,774 AutoFillCannedData.jsp,v
09/22/2003   09:55a              14,094 AutoFillPrice.jsp,v
09/22/2003   09:55a                 747 index.jsp,v
                 7 File(s)       135,283 bytes

 Directory of D:\cvs\cmm

01/01/1601   12:00a     <DIR>          .
01/01/1601   12:00a     <DIR>          ..
10/31/2003   04:01p     <DIR>          esmbrass
10/31/2003   04:01p     <DIR>          esmconvert
10/31/2003   04:01p     <DIR>          esmcore
10/31/2003   04:01p     <DIR>          esmfix
10/31/2003   04:01p     <DIR>          esmmarketdata
10/31/2003   04:01p     <DIR>          esmserver
10/31/2003   04:01p     <DIR>          esmutil
10/31/2003   04:01p     <DIR>          GFMS
10/31/2003   04:01p     <DIR>          mds
10/31/2003   04:01p     <DIR>          nesbrass
                 0 File(s)             0 bytes

 Directory of D:\cvs\cmm\GFMS

01/01/1601   12:00a     <DIR>          .
01/01/1601   12:00a     <DIR>          ..
10/31/2003   04:01p     <DIR>          com
09/08/2003   06:30a             383,440 fixcore_52.jar,v
09/08/2003   06:30a             195,906 GFMS.jar,v
09/08/2003   06:30a              46,864 gma.jar,v
09/08/2003   06:30a              81,991 JavaBrass.jar,v
09/08/2003   06:30a              79,571 Util.jar,v
                 5 File(s)       787,772 bytes
```

```
                                        dir.txt
Directory of D:\cvs\cmm\GFMS\com

01/01/1601  12:00a      <DIR>          .
01/01/1601  12:00a      <DIR>          ..
10/31/2003  04:01p      <DIR>          cameronsystems
              0 File(s)              0 bytes

  Directory of D:\cvs\cmm\GFMS\com\cameronsystems

01/01/1601  12:00a      <DIR>          .
01/01/1601  12:00a      <DIR>          ..
10/31/2003  04:01p      <DIR>          gfms
              0 File(s)              0 bytes

  Directory of D:\cvs\cmm\GFMS\com\cameronsystems\gfms

01/01/1601  12:00a      <DIR>          .
01/01/1601  12:00a      <DIR>          ..
10/31/2003  04:01p      <DIR>          component
              0 File(s)              0 bytes

  Directory of D:\cvs\cmm\GFMS\com\cameronsystems\gfms\component

01/01/1601  12:00a      <DIR>          .
01/01/1601  12:00a      <DIR>          ..
10/31/2003  04:01p      <DIR>          cameronfix
              0 File(s)              0 bytes

  Directory of D:\cvs\cmm\GFMS\com\cameronsystems\gfms\component\cameronfix

01/01/1601  12:00a      <DIR>          .
01/01/1601  12:00a      <DIR>          ..
09/08/2003  06:30a             1,690  IMessageModifier.java,v
              1 File(s)          1,690 bytes

  Directory of D:\cvs\cmm\esmbrass

01/01/1601  12:00a      <DIR>          .
01/01/1601  12:00a      <DIR>          ..
10/31/2003  04:01p      <DIR>          build
10/31/2003  04:01p      <DIR>          src
10/24/2003  02:09p               599  .nbattrs,v
10/24/2003  02:09p               469  build.bat,v
10/24/2003  02:09p               503  build.sh,v
10/24/2003  02:09p             2,000  build.xml,v
10/24/2003  02:09p               506  doc.bat,v
10/24/2003  02:09p             2,501  esmbrass.jpx,v
10/24/2003  02:09p               650  testEsm.bat,v
              7 File(s)          7,228 bytes

  Directory of D:\cvs\cmm\esmbrass\build

01/01/1601  12:00a      <DIR>          .
01/01/1601  12:00a      <DIR>          ..
10/31/2003  04:01p      <DIR>          com
10/31/2003  04:01p      <DIR>          src
              0 File(s)              0 bytes

  Directory of D:\cvs\cmm\esmbrass\build\com

01/01/1601  12:00a      <DIR>          .
01/01/1601  12:00a      <DIR>          ..
10/31/2003  04:01p      <DIR>          crown
                                       Page 7
```

```
                                              dir.txt
10/31/2003   04:01p      <DIR>        esmbrass
10/31/2003   04:01p      <DIR>        ksil
             0 File(s)              0 bytes

    Directory of D:\cvs\cmm\esmbrass\build\com\crown

01/01/1601   12:00a      <DIR>          .
01/01/1601   12:00a      <DIR>          ..
10/31/2003   04:01p      <DIR>        nes
             0 File(s)              0 bytes

    Directory of D:\cvs\cmm\esmbrass\build\com\crown\nes

01/01/1601   12:00a      <DIR>          .
01/01/1601   12:00a      <DIR>          ..
10/31/2003   04:01p      <DIR>        common
10/31/2003   04:01p      <DIR>        parser
10/31/2003   04:01p      <DIR>        pricing
10/31/2003   04:01p      <DIR>        rules
10/31/2003   04:01p      <DIR>        util
             0 File(s)              0 bytes

    Directory of D:\cvs\cmm\esmbrass\build\com\crown\nes\common

01/01/1601   12:00a      <DIR>          .
01/01/1601   12:00a      <DIR>          ..
10/24/2003   02:09p            1,102 Constants.class,v
             1 File(s)          1,102 bytes

    Directory of D:\cvs\cmm\esmbrass\build\com\crown\nes\parser

01/01/1601   12:00a      <DIR>          .
01/01/1601   12:00a      <DIR>          ..
10/24/2003   02:09p              591 IRuleEventReceiver.class,v
10/24/2003   02:09p              987 RuleEventObject.class,v
10/24/2003   02:09p            7,276 RuleParser.class,v
10/24/2003   02:09p            2,567 RuleParserConstants.class,v
10/24/2003   02:09p            4,993 RuleProcessInfo.class,v
             5 File(s)         16,414 bytes

    Directory of D:\cvs\cmm\esmbrass\build\com\crown\nes\pricing

01/01/1601   12:00a      <DIR>          .
01/01/1601   12:00a      <DIR>          ..
10/24/2003   02:09p            2,420 BBOPriceReq.class,v
10/24/2003   02:09p            1,717 BBOPriceResp$BBOData.class,v
10/24/2003   02:09p            2,562 BBOPriceResp.class,v
10/24/2003   02:09p            1,328 PriceConstants.class,v
10/24/2003   02:09p            1,634 PriceDataCache$TSBBOPriceData.class,v
10/24/2003   02:09p            1,645 PriceDataCache$TSSwapPriceData.class,v
10/24/2003   02:09p            4,111 PriceDataCache.class,v
10/24/2003   02:09p              945 PriceException.class,v
10/24/2003   02:09p            9,479 PriceManager.class,v
10/24/2003   02:09p            9,463 PriceParser.class,v
10/24/2003   02:09p              963 PriceParserException.class,v
10/24/2003   02:09p            6,544 PriceReader.class,v
10/24/2003   02:09p            1,118 PriceReq.class,v
10/24/2003   02:09p            1,046 PriceResp.class,v
10/24/2003   02:09p            4,043 PriceSvrConnector.class,v
10/24/2003   02:09p            3,408 SubsMgr.class,v
10/24/2003   02:09p            3,717 SwapPriceReq.class,v
10/24/2003   02:09p            1,568 SwapPriceResp$SwapData.class,v
10/24/2003   02:09p            2,118 SwapPriceResp.class,v
                                              Page 8
```

```
                                              dir.txt
                    19 File(s)           59,829 bytes
```

Directory of D:\cvs\cmm\esmbrass\build\com\crown\nes\rules

```
01/01/1601  12:00a      <DIR>              .
01/01/1601  12:00a      <DIR>              ..
10/24/2003  02:09p             1,974 CustBranch.class,v
10/24/2003  02:09p               584 IRule.class,v
10/24/2003  02:09p               665 IRuleEvalObj.class,v
10/24/2003  02:09p               866 IRuleKey.class,v
10/24/2003  02:09p            16,306 NESRule.class,v
10/24/2003  02:09p             5,940 NESRuleTreeKey.class,v
10/24/2003  02:09p             2,138 PxLvlAllocation.class,v
10/24/2003  02:09p             2,067 RefDataCache.class,v
10/24/2003  02:09p             4,961 RoundingRule.class,v
10/24/2003  02:09p             5,901 RoundingRuleData.class,v
10/24/2003  02:09p             6,288 RoundingRulesCache.class,v
10/24/2003  02:09p             5,316 RoundingRuleTreeKey.class,v
10/24/2003  02:09p             1,733 RoundRuleEvalObj.class,v
10/24/2003  02:09p             1,967 RuleBearer.class,v
10/24/2003  02:09p             2,657 RuleConstants.class,v
10/24/2003  02:09p             1,503 RulesCache$RulesComparator.class,v
10/24/2003  02:09p             7,963 RulesCache.class,v
                    17 File(s)        68,829 bytes
```

Directory of D:\cvs\cmm\esmbrass\build\com\crown\nes\util

```
01/01/1601  12:00a      <DIR>              .
01/01/1601  12:00a      <DIR>              ..
10/31/2003  04:01p      <DIR>              db
10/24/2003  02:09p             2,474 NESUtil.class,v
                     1 File(s)         2,474 bytes
```

Directory of D:\cvs\cmm\esmbrass\build\com\crown\nes\util\db

```
01/01/1601  12:00a      <DIR>              .
01/01/1601  12:00a      <DIR>              ..
10/24/2003  02:09p             4,733 ConnectionMgr.class,v
10/24/2003  02:09p             4,010 DBConfiguration.class,v
10/24/2003  02:09p             2,999 DBUtil.class,v
10/24/2003  02:09p               645 IResultSetProcessor.class,v
10/24/2003  02:09p               620 IUpdateProcessor.class,v
10/24/2003  02:09p             1,141 NullSQLType.class,v
10/24/2003  02:09p             2,925 SQLExecuter.class,v
                     7 File(s)        17,073 bytes
```

Directory of D:\cvs\cmm\esmbrass\build\com\esmbrass

```
01/01/1601  12:00a      <DIR>              .
01/01/1601  12:00a      <DIR>              ..
10/31/2003  04:01p      <DIR>              component
10/31/2003  04:01p      <DIR>              constants
10/31/2003  04:01p      <DIR>              message
10/31/2003  04:01p      <DIR>              test
10/24/2003  02:09p             6,542 BrassAssembler.class,v
10/24/2003  02:09p            11,137 BrassServer.class,v
10/24/2003  02:09p            23,641 BrassSession.class,v
                     3 File(s)        41,320 bytes
```

Directory of D:\cvs\cmm\esmbrass\build\com\esmbrass\component

```
01/01/1601  12:00a      <DIR>              .
01/01/1601  12:00a      <DIR>              ..
```

```
                                                     dir.txt
10/24/2003   02:09p                     5,723  Book.class,v
10/24/2003   02:09p                     2,239  BookRecord.class,v
10/24/2003   02:09p                    78,244  BrassComponent.class,v
10/24/2003   02:09p                    14,935  ComponentHelper.class,v
10/24/2003   02:09p                    10,204  DataProcessor.class,v
10/24/2003   02:09p                     2,442  NESParser.class,v
10/24/2003   02:09p                    20,563  NESRuleProcessor.class,v
10/24/2003   02:09p                     8,613  NESSession.class,v
10/24/2003   02:09p                     6,782  OrderRule.class,v
10/24/2003   02:09p                    21,484  RoundingRuleProcessor.class,v
10/24/2003   02:09p                     4,056  RuleSvrThread$ClientHandler.class,v
10/24/2003   02:09p                     2,763  RuleSvrThread.class,v
10/24/2003   02:09p                     3,471  SecurityMapper.class,v
10/24/2003   02:09p                    36,164  SessionReaderThread.class,v
10/24/2003   02:09p                     1,271  TopOfBook.class,v
             15 File(s)               218,954  bytes

    Directory of D:\cvs\cmm\esmbrass\build\com\esmbrass\constants

01/01/1601   12:00a       <DIR>           .
01/01/1601   12:00a       <DIR>           ..
10/24/2003   02:09p                    24,297  BrassMessageConstants.class,v
10/24/2003   02:09p                     2,072  ESMConstants.class,v
              2 File(s)                26,369  bytes

    Directory of D:\cvs\cmm\esmbrass\build\com\esmbrass\message

01/01/1601   12:00a       <DIR>           .
01/01/1601   12:00a       <DIR>           ..
10/24/2003   02:09p                     1,463  AlertMessage.class,v
10/24/2003   02:09p                     1,292  BookMessage.class,v
10/24/2003   02:09p                     4,404  BrassMessage.class,v
10/24/2003   02:09p                     1,270
BrassMessageHashMap$BrassMessageHashMapEntry.class,v
10/24/2003   02:09p                     2,511  BrassMessageHashMap.class,v
10/24/2003   02:09p                     1,523  GeneralMessage.class,v
10/24/2003   02:09p                     5,473  OrderMessage.class,v
10/24/2003   02:09p                     2,249  PLTranMessage.class,v
10/24/2003   02:09p                     2,745  QuoteMessage.class,v
10/24/2003   02:09p                     1,911  RegisterMessage.class,v
10/24/2003   02:09p                     1,265  ReplyMessage.class,v
10/24/2003   02:09p                     3,811  SecmstMessage.class,v
10/24/2003   02:09p                     2,331  SignonMessage.class,v
10/24/2003   02:09p                     5,800  TradeMessage.class,v
             14 File(s)                38,048  bytes

    Directory of D:\cvs\cmm\esmbrass\build\com\esmbrass\test

01/01/1601   12:00a       <DIR>           .
01/01/1601   12:00a       <DIR>           ..
10/24/2003   02:09p                     9,677  BrassTest.class,v
              1 File(s)                 9,677  bytes

    Directory of D:\cvs\cmm\esmbrass\build\com\ksil

01/01/1601   12:00a       <DIR>           .
01/01/1601   12:00a       <DIR>           ..
10/31/2003   04:01p       <DIR>           esmbrass
              0 File(s)                     0  bytes

    Directory of D:\cvs\cmm\esmbrass\build\com\ksil\esmbrass

01/01/1601   12:00a       <DIR>           .
```

```
                                              dir.txt
01/01/1601   12:00a   <DIR>           ..
10/31/2003   04:01p   <DIR>           component
10/31/2003   04:01p   <DIR>           constants
10/31/2003   04:01p   <DIR>           message
10/31/2003   04:01p   <DIR>           test
10/24/2003   02:09p           6,717 BrassAssembler.class,v
10/24/2003   02:09p          11,352 BrassServer.class,v
10/24/2003   02:09p          12,051 BrassSession.class,v
             3 File(s)        30,120 bytes

     Directory of D:\cvs\cmm\esmbrass\build\com\ksil\esmbrass\component

01/01/1601   12:00a   <DIR>           .
01/01/1601   12:00a   <DIR>           ..
10/24/2003   02:09p          31,626 BrassComponent.class,v
10/24/2003   02:09p          14,713 ComponentHelper.class,v
10/24/2003   02:09p          10,299 DataProcessor.class,v
10/24/2003   02:09p           3,536 SecurityMapper.class,v
10/24/2003   02:09p          13,098 SessionReaderThread.class,v
10/24/2003   02:09p           1,281 TopOfBook.class,v
             6 File(s)        74,553 bytes

     Directory of D:\cvs\cmm\esmbrass\build\com\ksil\esmbrass\constants

01/01/1601   12:00a   <DIR>           .
01/01/1601   12:00a   <DIR>           ..
10/24/2003   02:09p          24,302 BrassMessageConstants.class,v
10/24/2003   02:09p           2,041 ESMConstants.class,v
             2 File(s)        26,343 bytes

     Directory of D:\cvs\cmm\esmbrass\build\com\ksil\esmbrass\message

01/01/1601   12:00a   <DIR>           .
01/01/1601   12:00a   <DIR>           ..
10/24/2003   02:09p           1,478 AlertMessage.class,v
10/24/2003   02:09p           1,307 BookMessage.class,v
10/24/2003   02:09p           4,504 BrassMessage.class,v
10/24/2003   02:09p           1,300
BrassMessageHashMap$BrassMessageHashMapEntry.class,v
10/24/2003   02:09p           2,546 BrassMessageHashMap.class,v
10/24/2003   02:09p           1,538 GeneralMessage.class,v
10/24/2003   02:09p           5,488 OrderMessage.class,v
10/24/2003   02:09p           2,264 PLTranMessage.class,v
10/24/2003   02:09p           2,760 QuoteMessage.class,v
10/24/2003   02:09p           1,926 RegisterMessage.class,v
10/24/2003   02:09p           1,280 ReplyMessage.class,v
10/24/2003   02:09p           3,826 SecmstMessage.class,v
10/24/2003   02:09p           2,346 SignonMessage.class,v
10/24/2003   02:09p           6,045 TradeMessage.class,v
            14 File(s)        38,608 bytes

     Directory of D:\cvs\cmm\esmbrass\build\com\ksil\esmbrass\test

01/01/1601   12:00a   <DIR>           .
01/01/1601   12:00a   <DIR>           ..
10/24/2003   02:09p           9,772 BrassTest.class,v
             1 File(s)         9,772 bytes

     Directory of D:\cvs\cmm\esmbrass\build\src

01/01/1601   12:00a   <DIR>           .
01/01/1601   12:00a   <DIR>           ..
10/31/2003   04:01p   <DIR>           esmbrass
```

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```
                                   dir.txt
              0 File(s)            0 bytes

    Directory of D:\cvs\cmm\esmbrass\build\src\esmbrass

01/01/1601  12:00a       <DIR>          .
01/01/1601  12:00a       <DIR>          ..
10/31/2003  04:01p       <DIR>          src
              0 File(s)            0 bytes

    Directory of D:\cvs\cmm\esmbrass\build\src\esmbrass\src

01/01/1601  12:00a       <DIR>          .
01/01/1601  12:00a       <DIR>          ..
10/31/2003  04:01p       <DIR>          com
              0 File(s)            0 bytes

    Directory of D:\cvs\cmm\esmbrass\build\src\esmbrass\src\com

01/01/1601  12:00a       <DIR>          .
01/01/1601  12:00a       <DIR>          ..
10/31/2003  04:01p       <DIR>          esmbrass
10/31/2003  04:01p       <DIR>          ksil
              0 File(s)            0 bytes

    Directory of D:\cvs\cmm\esmbrass\build\src\esmbrass\src\com\esmbrass

01/01/1601  12:00a       <DIR>          .
01/01/1601  12:00a       <DIR>          ..
10/31/2003  04:01p       <DIR>          constants
              0 File(s)            0 bytes

    Directory of D:\cvs\cmm\esmbrass\build\src\esmbrass\src\com\esmbrass\constants

01/01/1601  12:00a       <DIR>          .
01/01/1601  12:00a       <DIR>          ..
10/24/2003  02:09p              32,939 BrassFields.class,v
              1 File(s)        32,939 bytes

    Directory of D:\cvs\cmm\esmbrass\build\src\esmbrass\src\com\ksil

01/01/1601  12:00a       <DIR>          .
01/01/1601  12:00a       <DIR>          ..
10/31/2003  04:01p       <DIR>          esmbrass
              0 File(s)            0 bytes

    Directory of D:\cvs\cmm\esmbrass\build\src\esmbrass\src\com\ksil\esmbrass

01/01/1601  12:00a       <DIR>          .
01/01/1601  12:00a       <DIR>          ..
10/31/2003  04:01p       <DIR>          constants
              0 File(s)            0 bytes

    Directory of D:\cvs\cmm\esmbrass\build\src\esmbrass\src\com\ksil\esmbrass\constants

01/01/1601  12:00a       <DIR>          .
01/01/1601  12:00a       <DIR>          ..
10/24/2003  02:09p              32,949 BrassFields.class,v
              1 File(s)        32,949 bytes

    Directory of D:\cvs\cmm\esmbrass\src

01/01/1601  12:00a       <DIR>          .
01/01/1601  12:00a       <DIR>          ..
```

```
10/31/2003  04:01p      <DIR>           dir.txt
                                        com
            0 File(s)                   0 bytes

    Directory of D:\cvs\cmm\esmbrass\src\com

01/01/1601  12:00a      <DIR>           .
01/01/1601  12:00a      <DIR>           ..
10/31/2003  04:01p      <DIR>           crown
10/31/2003  04:01p      <DIR>           esmbrass
            0 File(s)                   0 bytes

    Directory of D:\cvs\cmm\esmbrass\src\com\crown

01/01/1601  12:00a      <DIR>           .
01/01/1601  12:00a      <DIR>           ..
10/31/2003  04:01p      <DIR>           nes
            0 File(s)                   0 bytes

    Directory of D:\cvs\cmm\esmbrass\src\com\crown\nes

01/01/1601  12:00a      <DIR>           .
01/01/1601  12:00a      <DIR>           ..
10/31/2003  04:01p      <DIR>           common
10/31/2003  04:01p      <DIR>           parser
10/31/2003  04:01p      <DIR>           pricing
10/31/2003  04:01p      <DIR>           rules
10/31/2003  04:01p      <DIR>           util
            0 File(s)                   0 bytes

    Directory of D:\cvs\cmm\esmbrass\src\com\crown\nes\common

01/01/1601  12:00a      <DIR>           .
01/01/1601  12:00a      <DIR>           ..
10/24/2003  02:09p                 974  Constants.java,v
            1 File(s)              974 bytes

    Directory of D:\cvs\cmm\esmbrass\src\com\crown\nes\parser

01/01/1601  12:00a      <DIR>           .
01/01/1601  12:00a      <DIR>           ..
10/24/2003  02:09p                 664  IRuleEventReceiver.java,v
10/24/2003  02:09p                 878  RuleEventObject.java,v
10/24/2003  02:09p               8,054  RuleParser.java,v
10/24/2003  02:09p               2,024  RuleParserConstants.java,v
10/24/2003  02:09p               4,770  RuleProcessInfo.java,v
            5 File(s)           16,390 bytes

    Directory of D:\cvs\cmm\esmbrass\src\com\crown\nes\pricing

01/01/1601  12:00a      <DIR>           .
01/01/1601  12:00a      <DIR>           ..
10/24/2003  02:09p               2,590  BBOPriceReq.java,v
10/24/2003  02:09p               3,296  BBOPriceResp.java,v
10/24/2003  02:09p               1,324  PriceConstants.java,v
10/24/2003  02:09p               5,256  PriceDataCache.java,v
10/24/2003  02:09p                 698  PriceException.java,v
10/24/2003  02:09p              15,892  PriceManager.java,v
10/24/2003  02:09p              16,636  PriceParser.java,v
10/24/2003  02:09p                 716  PriceParserException.java,v
10/24/2003  02:09p              16,008  PriceReader.java,v
10/24/2003  02:09p                 924  PriceReq.java,v
10/24/2003  02:09p                 813  PriceResp.java,v
10/24/2003  02:09p               4,915  PriceSvrConnector.java,v
```

```
                                          dir.txt
10/24/2003  02:09p                  2,730 SubsMgr.java,v
10/24/2003  02:09p                  4,853 SwapPriceReq.java,v
10/24/2003  02:09p                  2,408 SwapPriceResp.java,v
              15 File(s)           79,059 bytes

 Directory of D:\cvs\cmm\esmbrass\src\com\crown\nes\rules

01/01/1601  12:00a       <DIR>          .
01/01/1601  12:00a       <DIR>          ..
10/24/2003  02:09p                 14,398 AutoFillPrice.jsp,v
10/24/2003  02:09p                  1,703 CustBranch.java,v
10/24/2003  02:09p                    661 IRule.java,v
10/24/2003  02:09p                    764 IRuleEvalObj.java,v
10/24/2003  02:09p                    920 IRuleKey.java,v
10/24/2003  02:09p                 11,926 NESRule.java,v
10/24/2003  02:09p                  8,447 NESRuleTreeKey.java,v
10/24/2003  02:09p                  1,736 PxLvlAllocation.java,v
10/24/2003  02:09p                  2,040 RefDataCache.java,v
10/24/2003  02:09p                  5,172 RoundingRule.java,v
10/24/2003  02:09p                 13,043 RoundingRuleData.java,v
10/24/2003  02:09p                  4,615 RoundingRulesCache.java,v
10/24/2003  02:09p                  8,349 RoundingRuleTreeKey.java,v
10/24/2003  02:09p                  1,342 RoundRuleEvalObj.java,v
10/24/2003  02:09p                  1,696 RuleBearer.java,v
10/24/2003  02:09p                  2,225 RuleConstants.java,v
10/24/2003  02:09p                 10,366 RulesCache.java,v
              17 File(s)           89,403 bytes

 Directory of D:\cvs\cmm\esmbrass\src\com\crown\nes\util

01/01/1601  12:00a       <DIR>          .
01/01/1601  12:00a       <DIR>          ..
10/31/2003  04:01p       <DIR>          db
10/24/2003  02:09p                  2,658 NESUtil.java,v
               1 File(s)            2,658 bytes

 Directory of D:\cvs\cmm\esmbrass\src\com\crown\nes\util\db

01/01/1601  12:00a       <DIR>          .
01/01/1601  12:00a       <DIR>          ..
10/24/2003  02:09p                  5,255 ConnectionMgr.java,v
10/24/2003  02:09p                  3,195 DBConfiguration.java,v
10/24/2003  02:09p                  3,162 DBUtil.java,v
10/24/2003  02:09p                    625 IResultSetProcessor.java,v
10/24/2003  02:09p                    620 IUpdateProcessor.java,v
10/24/2003  02:09p                    745 NullSQLType.java,v
10/24/2003  02:09p                  2,923 SQLExecuter.java,v
               7 File(s)           16,525 bytes

 Directory of D:\cvs\cmm\esmbrass\src\com\esmbrass

01/01/1601  12:00a       <DIR>          .
01/01/1601  12:00a       <DIR>          ..
11/03/2003  02:02p       <DIR>          component
10/31/2003  04:01p       <DIR>          constants
10/31/2003  04:01p       <DIR>          message
10/31/2003  04:01p       <DIR>          test
10/24/2003  02:09p                    599 .nbattrs,v
10/24/2003  02:09p                 18,051 BrassAssembler.java,v
10/24/2003  02:09p                 31,421 BrassServer.java,v
10/24/2003  02:09p                 37,155 BrassSession.java,v
10/24/2003  02:09p                 37,031 BrassSession.latest,v
09/19/2003  11:11a                 41,165 BrassSession.my,v
```
                                        Page 14

```
                                               dir.txt
10/24/2003  02:09p              37,029 BrassSession.prod,v
            7 File(s)          202,451 bytes

   Directory of D:\cvs\cmm\esmbrass\src\com\esmbrass\component

01/01/1601  12:00a     <DIR>          .
01/01/1601  12:00a     <DIR>          ..
09/19/2003  11:11a              16,793 .BrassComponent.java.swp,v
10/24/2003  02:09p                 781 .nbattrs,v
09/19/2003  11:11a              16,796 .SessionReaderThread.java.swp,v
10/24/2003  02:09p               5,837 Book.java,v
09/19/2003  11:11a               4,841 Book.tmp,v
10/24/2003  02:09p               1,817 BookRecord.java,v
09/19/2003  11:11a               1,823 BookRecord.tmp,v
10/24/2003  02:09p             100,609 BrassComponent.java,v
10/24/2003  02:09p              97,950 BrassComponent.latest,v
10/24/2003  02:09p              97,838 BrassComponent.prod,v
10/24/2003  02:09p              35,932 ComponentHelper.java,v
10/24/2003  02:09p              24,375 DataProcessor.java,v
10/24/2003  02:09p               2,692 NESParser.java,v
10/24/2003  02:09p              24,481 NESRuleProcessor.java,v
10/24/2003  02:09p              17,724 NESRuleProcessor.java.org,v
10/24/2003  02:09p               7,996 NESSession.java,v
10/24/2003  02:09p               2,933 OrderRule.java,v
10/24/2003  02:09p              26,873 RoundingRuleProcessor.java,v
10/24/2003  02:09p              26,605 RoundingRuleProcessor.java.org,v
10/24/2003  02:09p               5,287 RuleSvrThread.java,v
10/24/2003  02:09p               7,404 SecurityMapper.java,v
10/24/2003  02:09p              47,517 SessionReaderThread.java,v
10/24/2003  02:09p              44,078 SessionReaderThread.prod,v
10/24/2003  02:09p               1,375 TopOfBook.java,v
           24 File(s)          620,357 bytes

   Directory of D:\cvs\cmm\esmbrass\src\com\esmbrass\constants

01/01/1601  12:00a     <DIR>          .
01/01/1601  12:00a     <DIR>          ..
10/24/2003  02:09p              44,148 BrassFields.java,v
10/24/2003  02:09p              32,675 BrassMessageConstants.java,v
10/24/2003  02:09p               2,517 ESMConstants.java,v
            3 File(s)           79,340 bytes

   Directory of D:\cvs\cmm\esmbrass\src\com\esmbrass\message

01/01/1601  12:00a     <DIR>          .
01/01/1601  12:00a     <DIR>          ..
10/24/2003  02:09p               2,791 AlertMessage.java,v
10/24/2003  02:09p               2,460 BookMessage.java,v
10/24/2003  02:09p               9,198 BrassMessage.java,v
10/24/2003  02:09p               5,504 BrassMessageHashMap.java,v
10/24/2003  02:09p               2,827 GeneralMessage.java,v
10/24/2003  02:09p              14,830 OrderMessage.java,v
10/24/2003  02:09p               5,882 PLTranMessage.java,v
10/24/2003  02:09p               7,057 QuoteMessage.java,v
10/24/2003  02:09p               4,010 RegisterMessage.java,v
10/24/2003  02:09p               1,742 ReplyMessage.java,v
10/24/2003  02:09p              12,663 SecmstMessage.java,v
10/24/2003  02:09p               4,695 SignonMessage.java,v
10/24/2003  02:09p              18,213 TradeMessage.java,v
           13 File(s)           91,872 bytes

   Directory of D:\cvs\cmm\esmbrass\src\com\esmbrass\test
```

```
                                              dir.txt
01/01/1601  12:00a      <DIR>          .
01/01/1601  12:00a      <DIR>          ..
10/24/2003  02:09p              599 .nbattrs,v
10/24/2003  02:09p           41,768 BrassTest.java,v
                2 File(s)        42,367 bytes

    Directory of D:\cvs\cmm\esmconvert

01/01/1601  12:00a      <DIR>          .
01/01/1601  12:00a      <DIR>          ..
10/31/2003  04:01p      <DIR>          build
10/31/2003  04:01p      <DIR>          src
09/08/2003  06:30a            2,751 build.xml,v
                1 File(s)         2,751 bytes

    Directory of D:\cvs\cmm\esmconvert\build

01/01/1601  12:00a      <DIR>          .
01/01/1601  12:00a      <DIR>          ..
10/31/2003  04:01p      <DIR>          com
                0 File(s)             0 bytes

    Directory of D:\cvs\cmm\esmconvert\build\com

01/01/1601  12:00a      <DIR>          .
01/01/1601  12:00a      <DIR>          ..
10/31/2003  04:01p      <DIR>          ksil
                0 File(s)             0 bytes

    Directory of D:\cvs\cmm\esmconvert\build\com\ksil

01/01/1601  12:00a      <DIR>          .
01/01/1601  12:00a      <DIR>          ..
10/31/2003  04:01p      <DIR>          esmconvert
                0 File(s)             0 bytes

    Directory of D:\cvs\cmm\esmconvert\build\com\ksil\esmconvert

01/01/1601  12:00a      <DIR>          .
01/01/1601  12:00a      <DIR>          ..
09/08/2003  06:30a            6,450 BrassConverter.class,v
09/08/2003  06:30a            7,658 FixConverter.class,v
                2 File(s)        14,108 bytes

    Directory of D:\cvs\cmm\esmconvert\src

01/01/1601  12:00a      <DIR>          .
01/01/1601  12:00a      <DIR>          ..
10/31/2003  04:01p      <DIR>          com
                0 File(s)             0 bytes

    Directory of D:\cvs\cmm\esmconvert\src\com

01/01/1601  12:00a      <DIR>          .
01/01/1601  12:00a      <DIR>          ..
10/31/2003  04:01p      <DIR>          esmconvert
                0 File(s)             0 bytes

    Directory of D:\cvs\cmm\esmconvert\src\com\esmconvert

01/01/1601  12:00a      <DIR>          .
01/01/1601  12:00a      <DIR>          ..
09/08/2003  06:30a            9,140 BrassConverter.java,v
```
Page 16

```
                                    dir.txt
09/08/2003   06:30a               11,726 FixConverter.java,v
             2 File(s)            20,866 bytes

   Directory of D:\cvs\cmm\esmcore

01/01/1601   12:00a      <DIR>          .
01/01/1601   12:00a      <DIR>          ..
10/31/2003   04:01p      <DIR>          build
10/31/2003   04:01p      <DIR>          src
10/24/2003   02:09p               599 .nbattrs,v
10/24/2003   02:09p               496 build.bat,v
10/24/2003   02:09p               503 build.sh,v
10/24/2003   02:09p             1,734 build.xml,v
10/24/2003   02:09p               506 doc.bat,v
             5 File(s)            3,838 bytes

   Directory of D:\cvs\cmm\esmcore\build

01/01/1601   12:00a      <DIR>          .
01/01/1601   12:00a      <DIR>          ..
10/31/2003   04:01p      <DIR>          com
             0 File(s)                0 bytes

   Directory of D:\cvs\cmm\esmcore\build\com

01/01/1601   12:00a      <DIR>          .
01/01/1601   12:00a      <DIR>          ..
10/31/2003   04:01p      <DIR>          esmcore
10/31/2003   04:01p      <DIR>          ksil
             0 File(s)                0 bytes

   Directory of D:\cvs\cmm\esmcore\build\com\esmcore

01/01/1601   12:00a      <DIR>          .
01/01/1601   12:00a      <DIR>          ..
10/31/2003   04:01p      <DIR>          constants
10/31/2003   04:01p      <DIR>          message
10/31/2003   04:01p      <DIR>          pubsub
10/31/2003   04:01p      <DIR>          test
             0 File(s)                0 bytes

   Directory of D:\cvs\cmm\esmcore\build\com\esmcore\constants

01/01/1601   12:00a      <DIR>          .
01/01/1601   12:00a      <DIR>          ..
10/24/2003   02:09p             3,429 ESMCoreNames.class,v
10/24/2003   02:09p             5,259 ESMCoreValues.class,v
             2 File(s)            8,688 bytes

   Directory of D:\cvs\cmm\esmcore\build\com\esmcore\message

01/01/1601   12:00a      <DIR>          .
01/01/1601   12:00a      <DIR>          ..
10/24/2003   02:09p             3,526 ESMCoreMessage.class,v
10/24/2003   02:09p             2,611 ESMCoreMessageAttribute.class,v
             2 File(s)            6,137 bytes

   Directory of D:\cvs\cmm\esmcore\build\com\esmcore\pubsub

01/01/1601   12:00a      <DIR>          .
01/01/1601   12:00a      <DIR>          ..
10/31/2003   04:01p      <DIR>          util
10/24/2003   02:09p             1,229 ESMCoreComponentImpl.class,v
```

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```
                                        dir.txt
10/24/2003  02:09p              2,650 ESMCoreComponentProxy.class,v
10/24/2003  02:09p              1,153 ESMCoreListenerImpl.class,v
10/24/2003  02:09p                583 ESMCorePersistentComponentImpl$1.class,v
10/24/2003  02:09p              2,837
ESMCorePersistentComponentImpl$QueueReadingThread.class,v
10/24/2003  02:09p              2,628 ESMCorePersistentComponentImpl.class,v
10/24/2003  02:09p              2,079 ESMCorePublisherImpl.class,v
10/24/2003  02:09p                566 IESMCoreComponent.class,v
10/24/2003  02:09p                681 IESMCoreListener.class,v
10/24/2003  02:09p                646 IESMCorePersistentComponent.class,v
10/24/2003  02:09p                747 IESMCorePublisher.class,v
              11 File(s)        15,799 bytes

 Directory of D:\cvs\cmm\esmcore\build\com\esmcore\pubsub\util

01/01/1601  12:00a    <DIR>          .
01/01/1601  12:00a    <DIR>          ..
10/24/2003  02:09p              1,879 ESMCoreRecordComponent.class,v
10/24/2003  02:09p              2,038 ESMCoreReplayComponent.class,v
               2 File(s)         3,917 bytes

 Directory of D:\cvs\cmm\esmcore\build\com\esmcore\test

01/01/1601  12:00a    <DIR>          .
01/01/1601  12:00a    <DIR>          ..
10/24/2003  02:09p              1,596 ESMCoreMessageBenchmark.class,v
10/24/2003  02:09p              2,236 ESMCoreMessagePersistenceBenchmark.class,v
10/24/2003  02:09p              1,010 ESMCoreRecordReplayTest.class,v
               3 File(s)         4,842 bytes

 Directory of D:\cvs\cmm\esmcore\build\com\ksil

01/01/1601  12:00a    <DIR>          .
01/01/1601  12:00a    <DIR>          ..
10/31/2003  04:01p    <DIR>          esmcore
               0 File(s)             0 bytes

 Directory of D:\cvs\cmm\esmcore\build\com\ksil\esmcore

01/01/1601  12:00a    <DIR>          .
01/01/1601  12:00a    <DIR>          ..
10/31/2003  04:01p    <DIR>          constants
10/31/2003  04:01p    <DIR>          message
10/31/2003  04:01p    <DIR>          pubsub
10/31/2003  04:01p    <DIR>          test
               0 File(s)             0 bytes

 Directory of D:\cvs\cmm\esmcore\build\com\ksil\esmcore\constants

01/01/1601  12:00a    <DIR>          .
01/01/1601  12:00a    <DIR>          ..
10/24/2003  02:09p              3,128 ESMCoreNames.class,v
10/24/2003  02:09p              5,162 ESMCoreValues.class,v
               2 File(s)         8,290 bytes

 Directory of D:\cvs\cmm\esmcore\build\com\ksil\esmcore\message

01/01/1601  12:00a    <DIR>          .
01/01/1601  12:00a    <DIR>          ..
10/24/2003  02:09p              3,606 ESMCoreMessage.class,v
10/24/2003  02:09p              2,691 ESMCoreMessageAttribute.class,v
               2 File(s)         6,297 bytes
```

```
                              dir.txt
    Directory of D:\cvs\cmm\esmcore\build\com\ksil\esmcore\pubsub

01/01/1601  12:00a      <DIR>              .
01/01/1601  12:00a      <DIR>              ..
10/31/2003  04:01p      <DIR>              util
10/24/2003  02:09p             1,264  ESMCoreComponentImpl.class,v
10/24/2003  02:09p             2,717  ESMCoreComponentProxy.class,v
10/24/2003  02:09p             1,174  ESMCoreListenerImpl.class,v
10/24/2003  02:09p               593  ESMCorePersistentComponentImpl$1.class,v
10/24/2003  02:09p             2,924
ESMCorePersistentComponentImpl$QueueReadingThread.class,v
10/24/2003  02:09p             2,723  ESMCorePersistentComponentImpl.class,v
10/24/2003  02:09p             2,118  ESMCorePublisherImpl.class,v
10/24/2003  02:09p               581  IESMCoreComponent.class,v
10/24/2003  02:09p               696  IESMCoreListener.class,v
10/24/2003  02:09p               661  IESMCorePersistentComponent.class,v
10/24/2003  02:09p               762  IESMCorePublisher.class,v
               11 File(s)        16,213 bytes

    Directory of D:\cvs\cmm\esmcore\build\com\ksil\esmcore\pubsub\util

01/01/1601  12:00a      <DIR>              .
01/01/1601  12:00a      <DIR>              ..
10/24/2003  02:09p             1,906  ESMCoreRecordComponent.class,v
10/24/2003  02:09p             2,058  ESMCoreReplayComponent.class,v
                2 File(s)         3,964 bytes

    Directory of D:\cvs\cmm\esmcore\build\com\ksil\esmcore\test

01/01/1601  12:00a      <DIR>              .
01/01/1601  12:00a      <DIR>              ..
10/24/2003  02:09p             1,606  ESMCoreMessageBenchmark.class,v
10/24/2003  02:09p             2,268  ESMCoreMessagePersistenceBenchmark.class,v
10/24/2003  02:09p             1,030  ESMCoreRecordReplayTest.class,v
                3 File(s)         4,904 bytes

    Directory of D:\cvs\cmm\esmcore\src

01/01/1601  12:00a      <DIR>              .
01/01/1601  12:00a      <DIR>              ..
10/31/2003  04:01p      <DIR>              com
                0 File(s)              0 bytes

    Directory of D:\cvs\cmm\esmcore\src\com

01/01/1601  12:00a      <DIR>              .
01/01/1601  12:00a      <DIR>              ..
10/31/2003  04:01p      <DIR>              esmcore
                0 File(s)              0 bytes

    Directory of D:\cvs\cmm\esmcore\src\com\esmcore

01/01/1601  12:00a      <DIR>              .
01/01/1601  12:00a      <DIR>              ..
10/31/2003  04:01p      <DIR>              constants
10/31/2003  04:01p      <DIR>              message
10/31/2003  04:01p      <DIR>              pubsub
10/31/2003  04:01p      <DIR>              test
                0 File(s)              0 bytes

    Directory of D:\cvs\cmm\esmcore\src\com\esmcore\constants

01/01/1601  12:00a      <DIR>              .
```

```
                                        dir.txt
01/01/1601   12:00a      <DIR>          ..
10/24/2003   02:09p              3,974  ESMCoreNames.java,v
10/24/2003   02:09p              6,884  ESMCoreValues.java,v
                2 File(s)       10,858  bytes

    Directory of D:\cvs\cmm\esmcore\src\com\esmcore\message

01/01/1601   12:00a      <DIR>          .
01/01/1601   12:00a      <DIR>          ..
10/24/2003   02:09p             16,794  .ESMCoreMessage.java.swp,v
10/24/2003   02:09p              8,949  ESMCoreMessage.java,v
10/24/2003   02:09p              6,522  ESMCoreMessageAttribute.java,v
                3 File(s)       32,265  bytes

    Directory of D:\cvs\cmm\esmcore\src\com\esmcore\pubsub

01/01/1601   12:00a      <DIR>          .
01/01/1601   12:00a      <DIR>          ..
10/31/2003   04:01p      <DIR>          util
10/24/2003   02:09p             16,780  .ESMCorePublisherImpl.java.swp,v
10/24/2003   02:09p                777  .nbattrs,v
10/24/2003   02:09p              2,375  ESMCoreComponentImpl.java,v
10/24/2003   02:09p              4,904  ESMCoreComponentProxy.java,v
10/24/2003   02:09p              1,720  ESMCoreListenerImpl.java,v
10/24/2003   02:09p              6,253  ESMCorePersistentComponentImpl.java,v
10/24/2003   02:09p              4,622  ESMCorePublisherImpl.java,v
10/24/2003   02:09p                615  IESMCoreComponent.java,v
10/24/2003   02:09p              1,438  IESMCoreListener.java,v
10/24/2003   02:09p              1,014  IESMCorePersistentComponent.java,v
10/24/2003   02:09p              1,586  IESMCorePublisher.java,v
               11 File(s)       42,084  bytes

    Directory of D:\cvs\cmm\esmcore\src\com\esmcore\pubsub\util

01/01/1601   12:00a      <DIR>          .
01/01/1601   12:00a      <DIR>          ..
10/24/2003   02:09p              2,984  ESMCoreRecordComponent.java,v
10/24/2003   02:09p              3,794  ESMCoreReplayComponent.java,v
                2 File(s)        6,778  bytes

    Directory of D:\cvs\cmm\esmcore\src\com\esmcore\test

01/01/1601   12:00a      <DIR>          .
01/01/1601   12:00a      <DIR>          ..
10/24/2003   02:09p              2,235  ESMCoreMessageBenchmark.java,v
10/24/2003   02:09p              3,606  ESMCoreMessagePersistenceBenchmark.java,v
10/24/2003   02:09p              1,206  ESMCoreRecordReplayTest.java,v
                3 File(s)        7,047  bytes

    Directory of D:\cvs\cmm\esmfix

01/01/1601   12:00a      <DIR>          .
01/01/1601   12:00a      <DIR>          ..
10/31/2003   04:01p      <DIR>          build
10/31/2003   04:01p      <DIR>          src
10/24/2003   02:09p                469  build.bat,v
10/24/2003   02:09p                503  build.sh,v
10/24/2003   02:09p              2,136  build.xml,v
10/24/2003   02:09p                506  doc.bat,v
                4 File(s)        3,614  bytes

    Directory of D:\cvs\cmm\esmfix\build
```

```
                                          dir.txt
01/01/1601  12:00a      <DIR>          .
01/01/1601  12:00a      <DIR>          ..
10/31/2003  04:01p      <DIR>          com
            0 File(s)              0 bytes

  Directory of D:\cvs\cmm\esmfix\build\com

01/01/1601  12:00a      <DIR>          .
01/01/1601  12:00a      <DIR>          ..
10/31/2003  04:01p      <DIR>          crown
10/31/2003  04:01p      <DIR>          esmfix
10/31/2003  04:01p      <DIR>          ksil
            0 File(s)              0 bytes

  Directory of D:\cvs\cmm\esmfix\build\com\crown

01/01/1601  12:00a      <DIR>          .
01/01/1601  12:00a      <DIR>          ..
10/31/2003  04:01p      <DIR>          nes
            0 File(s)              0 bytes

  Directory of D:\cvs\cmm\esmfix\build\com\crown\nes

01/01/1601  12:00a      <DIR>          .
01/01/1601  12:00a      <DIR>          ..
10/31/2003  04:01p      <DIR>          common
10/31/2003  04:01p      <DIR>          parser
10/31/2003  04:01p      <DIR>          rules
10/31/2003  04:01p      <DIR>          util
            0 File(s)              0 bytes

  Directory of D:\cvs\cmm\esmfix\build\com\crown\nes\common

01/01/1601  12:00a      <DIR>          .
01/01/1601  12:00a      <DIR>          ..
10/24/2003  02:09p             1,102 Constants.class,v
            1 File(s)          1,102 bytes

  Directory of D:\cvs\cmm\esmfix\build\com\crown\nes\parser

01/01/1601  12:00a      <DIR>          .
01/01/1601  12:00a      <DIR>          ..
10/24/2003  02:09p               591 IRuleEventReceiver.class,v
10/24/2003  02:09p               987 RuleEventObject.class,v
10/24/2003  02:09p             3,450 RuleParser.class,v
10/24/2003  02:09p             1,371 RuleParserConstants.class,v
10/24/2003  02:09p             2,498 RuleProcessInfo.class,v
            5 File(s)          8,897 bytes

  Directory of D:\cvs\cmm\esmfix\build\com\crown\nes\rules

01/01/1601  12:00a      <DIR>          .
01/01/1601  12:00a      <DIR>          ..
10/24/2003  02:09p               584 IRule.class,v
10/24/2003  02:09p               665 IRuleEvalObj.class,v
10/24/2003  02:09p               807 IRuleKey.class,v
10/24/2003  02:09p             7,088 NESRule.class,v
10/24/2003  02:09p             5,640 NESRuleTreeKey.class,v
10/24/2003  02:09p             4,420 RoundingRule.class,v
10/24/2003  02:09p             4,428 RoundingRuleData.class,v
10/24/2003  02:09p             3,737 RoundingRulesCache.class,v
10/24/2003  02:09p             5,015 RoundingRuleTreeKey.class,v
10/24/2003  02:09p             1,967 RuleBearer.class,v
```

```
                                          dir.txt
10/24/2003   02:09p                 1,188 RuleConstants.class,v
10/24/2003   02:09p                 1,503 RulesCache$RulesComparator.class,v
10/24/2003   02:09p                 7,823 RulesCache.class,v
               13 File(s)          44,865 bytes

  Directory of D:\cvs\cmm\esmfix\build\com\crown\nes\util

01/01/1601   12:00a    <DIR>            .
01/01/1601   12:00a    <DIR>            ..
10/31/2003   04:01p    <DIR>            db
                0 File(s)               0 bytes

  Directory of D:\cvs\cmm\esmfix\build\com\crown\nes\util\db

01/01/1601   12:00a    <DIR>            .
01/01/1601   12:00a    <DIR>            ..
10/24/2003   02:09p                 4,733 ConnectionMgr.class,v
10/24/2003   02:09p                 4,010 DBConfiguration.class,v
10/24/2003   02:09p                 2,999 DBUtil.class,v
10/24/2003   02:09p                   645 IResultSetProcessor.class,v
10/24/2003   02:09p                   620 IUpdateProcessor.class,v
10/24/2003   02:09p                 1,141 NullSQLType.class,v
10/24/2003   02:09p                 2,925 SQLExecuter.class,v
                7 File(s)          17,073 bytes

  Directory of D:\cvs\cmm\esmfix\build\com\esmfix

01/01/1601   12:00a    <DIR>            .
01/01/1601   12:00a    <DIR>            ..
10/31/2003   04:01p    <DIR>            component
10/31/2003   04:01p    <DIR>            constants
10/31/2003   04:01p    <DIR>            fixmodifiers
                0 File(s)               0 bytes

  Directory of D:\cvs\cmm\esmfix\build\com\esmfix\component

01/01/1601   12:00a    <DIR>            .
01/01/1601   12:00a    <DIR>            ..
10/24/2003   02:09p                 3,685 ComponentHelper.class,v
10/24/2003   02:09p                 5,368 CustomMessageModifier.class,v
10/24/2003   02:09p                48,974 FIXComponent.class,v
10/24/2003   02:09p                48,393 FixMWAccApp.class,v
10/24/2003   02:09p                 1,232 FixServerThread.class,v
10/24/2003   02:09p                11,405 IDMapper.class,v
10/24/2003   02:09p                   658 IMessageModifier.class,v
10/24/2003   02:09p                 2,753 MessageValidator.class,v
10/24/2003   02:09p                 2,471 NESParser.class,v
10/24/2003   02:09p                10,177 NESRuleProcessor.class,v
10/24/2003   02:09p                 6,184 NESSession.class,v
10/24/2003   02:09p                 3,260 OrderRule.class,v
10/24/2003   02:09p                 3,851 RuleSvrThread$ClientHandler.class,v
10/24/2003   02:09p                 2,349 RuleSvrThread.class,v
10/24/2003   02:09p                 4,079 TargetProfile.class,v
10/24/2003   02:09p                 3,328 TraderExchangeIdentifier.class,v
               16 File(s)         158,167 bytes

  Directory of D:\cvs\cmm\esmfix\build\com\esmfix\constants

01/01/1601   12:00a    <DIR>            .
01/01/1601   12:00a    <DIR>            ..
10/24/2003   02:09p                26,006 Constants.class,v
10/24/2003   02:09p                 2,011 FIXConstants.class,v
                2 File(s)          28,017 bytes
                                          Page 22
```

dir.txt

Directory of D:\cvs\cmm\esmfix\build\com\esmfix\fixmodifiers

```
01/01/1601  12:00a      <DIR>           .
01/01/1601  12:00a      <DIR>           ..
10/24/2003  02:09p              4,677 BLOOFixModifier.class,v
10/24/2003  02:09p              2,198 RITDFixModifier$RitdClient.class,v
10/24/2003  02:09p              6,794 RITDFixModifier.class,v
               3 File(s)      13,669 bytes
```

Directory of D:\cvs\cmm\esmfix\build\com\ksil

```
01/01/1601  12:00a      <DIR>           .
01/01/1601  12:00a      <DIR>           ..
10/31/2003  04:01p      <DIR>           esmfix
               0 File(s)           0 bytes
```

Directory of D:\cvs\cmm\esmfix\build\com\ksil\esmfix

```
01/01/1601  12:00a      <DIR>           .
01/01/1601  12:00a      <DIR>           ..
10/31/2003  04:01p      <DIR>           component
10/31/2003  04:01p      <DIR>           constants
10/31/2003  04:01p      <DIR>           fixmodifiers
10/31/2003  04:01p      <DIR>           monitor
               0 File(s)           0 bytes
```

Directory of D:\cvs\cmm\esmfix\build\com\ksil\esmfix\component

```
01/01/1601  12:00a      <DIR>           .
01/01/1601  12:00a      <DIR>           ..
10/24/2003  02:09p             12,073 BuildFixMap.class,v
10/24/2003  02:09p              6,433 ComponentHelper.class,v
10/24/2003  02:09p              5,482 CustomMessageModifier.class,v
10/24/2003  02:09p             30,811 FIXComponent.class,v
10/24/2003  02:09p              1,588 FIXLogger.class,v
10/24/2003  02:09p              1,389 FixMWAccApp$1.class,v
10/24/2003  02:09p              1,607 FixMWAccApp$2.class,v
10/24/2003  02:09p             28,363 FixMWAccApp.class,v
10/24/2003  02:09p              1,242 FixServerThread.class,v
10/24/2003  02:09p             11,624 IDMapper.class,v
10/24/2003  02:09p                668 IMessageModifier.class,v
10/24/2003  02:09p              2,813 MessageValidator.class,v
10/24/2003  02:09p              2,129 MonitoringSessionListener.class,v
10/24/2003  02:09p              2,570 NESParser.class,v
10/24/2003  02:09p              8,837 NESRuleProcessor.class,v
10/24/2003  02:09p              5,056 NESSession.class,v
10/24/2003  02:09p              2,651 OrderRule.class,v
10/24/2003  02:09p              1,525 PersistenceManager.class,v
10/24/2003  02:09p              3,876 RuleSvrThread$ClientHandler.class,v
10/24/2003  02:09p              2,374 RuleSvrThread.class,v
10/24/2003  02:09p              1,445 SessionReaderThread$1.class,v
10/24/2003  02:09p              1,445 SessionReaderThread$2.class,v
10/24/2003  02:09p             19,871 SessionReaderThread.class,v
10/24/2003  02:09p              4,124 TargetProfile.class,v
10/24/2003  02:09p              3,353 TraderExchangeIdentifier.class,v
              25 File(s)     163,349 bytes
```

Directory of D:\cvs\cmm\esmfix\build\com\ksil\esmfix\constants

```
01/01/1601  12:00a      <DIR>           .
01/01/1601  12:00a      <DIR>           ..
10/24/2003  02:09p             25,947 Constants.class,v
```

```
                                        dir.txt
10/24/2003  02:09p               2,016 FIXConstants.class,v
                2 File(s)       27,963 bytes

    Directory of D:\cvs\cmm\esmfix\build\com\ksil\esmfix\fixmodifiers

01/01/1601  12:00a      <DIR>          .
01/01/1601  12:00a      <DIR>          ..
10/24/2003  02:09p               5,558 BLOOFixModifier.class,v
10/24/2003  02:09p               2,223 RITDFixModifier$RitdClient.class,v
10/24/2003  02:09p               7,609 RITDFixModifier.class,v
                3 File(s)       15,390 bytes

    Directory of D:\cvs\cmm\esmfix\build\com\ksil\esmfix\monitor

01/01/1601  12:00a      <DIR>          .
01/01/1601  12:00a      <DIR>          ..
10/24/2003  02:09p               1,731 ApplicationBaseMonitor.class,v
                1 File(s)        1,731 bytes

    Directory of D:\cvs\cmm\esmfix\src

01/01/1601  12:00a      <DIR>          .
01/01/1601  12:00a      <DIR>          ..
10/31/2003  04:01p      <DIR>          com
                0 File(s)            0 bytes

    Directory of D:\cvs\cmm\esmfix\src\com

01/01/1601  12:00a      <DIR>          .
01/01/1601  12:00a      <DIR>          ..
10/31/2003  04:01p      <DIR>          crown
10/31/2003  04:01p      <DIR>          esmfix
                0 File(s)            0 bytes

    Directory of D:\cvs\cmm\esmfix\src\com\crown

01/01/1601  12:00a      <DIR>          .
01/01/1601  12:00a      <DIR>          ..
10/31/2003  04:01p      <DIR>          nes
                0 File(s)            0 bytes

    Directory of D:\cvs\cmm\esmfix\src\com\crown\nes

01/01/1601  12:00a      <DIR>          .
01/01/1601  12:00a      <DIR>          ..
10/31/2003  04:01p      <DIR>          common
10/31/2003  04:01p      <DIR>          parser
10/31/2003  04:01p      <DIR>          rules
10/31/2003  04:01p      <DIR>          util
                0 File(s)            0 bytes

    Directory of D:\cvs\cmm\esmfix\src\com\crown\nes\common

01/01/1601  12:00a      <DIR>          .
01/01/1601  12:00a      <DIR>          ..
09/08/2003  06:30a                 996 Constants.java,v
                1 File(s)          996 bytes

    Directory of D:\cvs\cmm\esmfix\src\com\crown\nes\parser

01/01/1601  12:00a      <DIR>          .
01/01/1601  12:00a      <DIR>          ..
09/08/2003  06:30a                 686 IRuleEventReceiver.java,v
```

Page 24

```
                                          dir.txt
09/08/2003  06:30a                    900 RuleEventObject.java,v
09/08/2003  06:30a                  6,158 RuleParser.java,v
09/08/2003  06:30a                  1,698 RuleParserConstants.java,v
09/08/2003  06:30a                  3,885 RuleProcessInfo.java,v
                  5 File(s)        13,327 bytes

    Directory of D:\cvs\cmm\esmfix\src\com\crown\nes\rules

01/01/1601  12:00a      <DIR>           .
01/01/1601  12:00a      <DIR>           ..
09/08/2003  06:30a                    683 IRule.java,v
09/08/2003  06:30a                    786 IRuleEvalObj.java,v
09/08/2003  06:30a                    905 IRuleKey.java,v
09/08/2003  06:30a                  8,947 NESRule.java,v
09/08/2003  06:30a                  8,175 NESRuleTreeKey.java,v
09/08/2003  06:30a                  4,018 RoundingRule.java,v
09/08/2003  06:30a                  7,458 RoundingRuleData.java,v
09/08/2003  06:30a                  3,826 RoundingRulesCache.java,v
09/08/2003  06:30a                  8,110 RoundingRuleTreeKey.java,v
09/08/2003  06:30a                  1,718 RuleBearer.java,v
09/08/2003  06:30a                  1,045 RuleConstants.java,v
09/08/2003  06:30a                 10,150 RulesCache.java,v
                 12 File(s)        55,821 bytes

    Directory of D:\cvs\cmm\esmfix\src\com\crown\nes\util

01/01/1601  12:00a      <DIR>           .
01/01/1601  12:00a      <DIR>           ..
10/31/2003  04:01p      <DIR>           db
                  0 File(s)             0 bytes

    Directory of D:\cvs\cmm\esmfix\src\com\crown\nes\util\db

01/01/1601  12:00a      <DIR>           .
01/01/1601  12:00a      <DIR>           ..
09/08/2003  06:30a                  5,277 ConnectionMgr.java,v
09/08/2003  06:30a                  3,217 DBConfiguration.java,v
09/08/2003  06:30a                  3,184 DBUtil.java,v
09/08/2003  06:30a                    647 IResultSetProcessor.java,v
09/08/2003  06:30a                    642 IUpdateProcessor.java,v
09/08/2003  06:30a                    767 NullSQLType.java,v
09/08/2003  06:30a                  2,945 SQLExecuter.java,v
                  7 File(s)        16,679 bytes

    Directory of D:\cvs\cmm\esmfix\src\com\esmfix

01/01/1601  12:00a      <DIR>           .
01/01/1601  12:00a      <DIR>           ..
10/31/2003  04:01p      <DIR>           component
10/31/2003  04:01p      <DIR>           constants
10/31/2003  04:01p      <DIR>           fixmodifiers
                  0 File(s)             0 bytes

    Directory of D:\cvs\cmm\esmfix\src\com\esmfix\component

01/01/1601  12:00a      <DIR>           .
01/01/1601  12:00a      <DIR>           ..
09/19/2003  11:11a                 16,801 .IDMapper.java.swp,v
10/24/2003  02:09p                    753 .nbattrs,v
10/24/2003  02:09p                  5,833 ComponentHelper.java,v
10/24/2003  02:09p                  9,570 CustomMessageModifier.java,v
10/24/2003  02:09p                 95,881 FIXComponent.java,v
10/24/2003  02:09p                 89,661 FIXComponent.solaris,v
```

```
                                              dir.txt
10/24/2003   02:09p                    45,674 FixMWAccApp.java,v
10/24/2003   02:09p                       792 FixServerThread.java,v
10/24/2003   02:09p                    23,235 IDMapper.java,v
10/24/2003   02:09p                     1,526 IMessageModifier.java,v
10/24/2003   02:09p                    10,323 MessageValidator.java,v
09/08/2003   06:30a                     2,676 NESParser.java,v
09/08/2003   06:30a                    17,727 NESRuleProcessor.java,v
09/08/2003   06:30a                    11,115 NESRuleProcessor.java.org,v
09/08/2003   06:30a                     7,366 NESSession.java,v
09/08/2003   06:30a                     2,157 OrderRule.java,v
09/08/2003   06:30a                     5,079 RuleSvrThread.java,v
10/24/2003   02:09p                     3,037 TargetProfile.java,v
10/24/2003   02:09p                     6,422 TraderExchangeIdentifier.java,v
                    19 File(s)        355,628 bytes

    Directory of D:\cvs\cmm\esmfix\src\com\esmfix\constants

01/01/1601   12:00a        <DIR>          .
01/01/1601   12:00a        <DIR>          ..
10/24/2003   02:09p                    35,764 Constants.java,v
10/24/2003   02:09p                     2,189 FIXConstants.java,v
                     2 File(s)         37,953 bytes

    Directory of D:\cvs\cmm\esmfix\src\com\esmfix\fixmodifiers

01/01/1601   12:00a        <DIR>          .
01/01/1601   12:00a        <DIR>          ..
10/24/2003   02:09p                     5,616 BLOOFixModifier.java,v
10/24/2003   02:09p                    10,231 RITDFixModifier.java,v
                     2 File(s)         15,847 bytes

    Directory of D:\cvs\cmm\esmmarketdata

01/01/1601   12:00a        <DIR>          .
01/01/1601   12:00a        <DIR>          ..
10/31/2003   04:01p        <DIR>          build
10/31/2003   04:01p        <DIR>          src
09/08/2003   06:30a                       518 build.bat,v
09/08/2003   06:30a                       511 build.sh,v
09/08/2003   06:30a                     2,223 build.xml,v
09/08/2003   06:30a                       528 doc.bat,v
                     4 File(s)          3,780 bytes

    Directory of D:\cvs\cmm\esmmarketdata\build

01/01/1601   12:00a        <DIR>          .
01/01/1601   12:00a        <DIR>          ..
10/31/2003   04:01p        <DIR>          com
                     0 File(s)              0 bytes

    Directory of D:\cvs\cmm\esmmarketdata\build\com

01/01/1601   12:00a        <DIR>          .
01/01/1601   12:00a        <DIR>          ..
10/31/2003   04:01p        <DIR>          ksil
                     0 File(s)              0 bytes

    Directory of D:\cvs\cmm\esmmarketdata\build\com\ksil

01/01/1601   12:00a        <DIR>          .
01/01/1601   12:00a        <DIR>          ..
10/31/2003   04:01p        <DIR>          esmmarketdata
                     0 File(s)              0 bytes
```

```
                                dir.txt
   Directory of D:\cvs\cmm\esmmarketdata\build\com\ksil\esmmarketdata

01/01/1601  12:00a    <DIR>          .
01/01/1601  12:00a    <DIR>          ..
10/31/2003  04:01p    <DIR>          combined
10/31/2003  04:01p    <DIR>          service
10/31/2003  04:01p    <DIR>          util
              0 File(s)            0 bytes

   Directory of D:\cvs\cmm\esmmarketdata\build\com\ksil\esmmarketdata\combined

01/01/1601  12:00a    <DIR>          .
01/01/1601  12:00a    <DIR>          ..
09/08/2003  06:30a            6,792 CombinedService.class,v
              1 File(s)        6,792 bytes

   Directory of D:\cvs\cmm\esmmarketdata\build\com\ksil\esmmarketdata\service

01/01/1601  12:00a    <DIR>          .
01/01/1601  12:00a    <DIR>          ..
10/31/2003  04:01p    <DIR>          rtp
09/08/2003  06:30a            3,956 BBOService.class,v
09/08/2003  06:30a            5,085 FBService.class,v
09/08/2003  06:30a            7,840 LoginService.class,v
09/08/2003  06:30a            3,719 LSPService.class,v
09/08/2003  06:30a            1,434 MarketDataService$1.class,v
09/08/2003  06:30a            5,493 MarketDataService.class,v
09/08/2003  06:30a            4,040 PositionService.class,v
09/08/2003  06:30a              505 pubring.pgp,v
09/08/2003  06:30a            2,996 StatisticService.class,v
09/08/2003  06:30a            3,804 StatusService.class,v
             10 File(s)       38,872 bytes

   Directory of D:\cvs\cmm\esmmarketdata\build\com\ksil\esmmarketdata\service\rtp

01/01/1601  12:00a    <DIR>          .
01/01/1601  12:00a    <DIR>          ..
09/08/2003  06:30a            4,932 RTP.class,v
09/08/2003  06:30a            4,578 RTPService.class,v
              2 File(s)        9,510 bytes

   Directory of D:\cvs\cmm\esmmarketdata\build\com\ksil\esmmarketdata\util

01/01/1601  12:00a    <DIR>          .
01/01/1601  12:00a    <DIR>          ..
09/08/2003  06:30a            1,933 PasswordProvider.class,v
09/08/2003  06:30a            3,254 UserManager.class,v
              2 File(s)        5,187 bytes

   Directory of D:\cvs\cmm\esmmarketdata\src

01/01/1601  12:00a    <DIR>          .
01/01/1601  12:00a    <DIR>          ..
10/31/2003  04:01p    <DIR>          com
              0 File(s)            0 bytes

   Directory of D:\cvs\cmm\esmmarketdata\src\com

01/01/1601  12:00a    <DIR>          .
01/01/1601  12:00a    <DIR>          ..
10/31/2003  04:01p    <DIR>          ksil
              0 File(s)            0 bytes
                                  Page 27
```

dir.txt

Directory of D:\cvs\cmm\esmmarketdata\src\com\ksil

```
01/01/1601  12:00a       <DIR>          .
01/01/1601  12:00a       <DIR>          ..
10/31/2003  04:01p       <DIR>          esmmarketdata
               0 File(s)               0 bytes
```

Directory of D:\cvs\cmm\esmmarketdata\src\com\ksil\esmmarketdata

```
01/01/1601  12:00a       <DIR>          .
01/01/1601  12:00a       <DIR>          ..
10/31/2003  04:01p       <DIR>          combined
10/31/2003  04:01p       <DIR>          service
10/31/2003  04:01p       <DIR>          util
               0 File(s)               0 bytes
```

Directory of D:\cvs\cmm\esmmarketdata\src\com\ksil\esmmarketdata\combined

```
01/01/1601  12:00a       <DIR>          .
01/01/1601  12:00a       <DIR>          ..
09/08/2003  06:30a              14,486 CombinedService.java,v
               1 File(s)          14,486 bytes
```

Directory of D:\cvs\cmm\esmmarketdata\src\com\ksil\esmmarketdata\service

```
01/01/1601  12:00a       <DIR>          .
01/01/1601  12:00a       <DIR>          ..
10/31/2003  04:01p       <DIR>          rtp
09/08/2003  06:30a                 806 .nbattrs,v
09/08/2003  06:30a               7,212 BBOService.java,v
09/08/2003  06:30a              10,247 FBService.java,v
09/08/2003  06:30a              20,270 LoginService.java,v
09/08/2003  06:30a               6,656 LSPService.java,v
09/08/2003  06:30a              14,594 MarketDataService.java,v
09/08/2003  06:30a               7,305 PositionService.java,v
09/08/2003  06:30a                 505 pubring.pgp,v
09/08/2003  06:30a               4,529 StatisticService.java,v
09/08/2003  06:30a               6,836 StatusService.java,v
              10 File(s)          78,960 bytes
```

Directory of D:\cvs\cmm\esmmarketdata\src\com\ksil\esmmarketdata\service\rtp

```
01/01/1601  12:00a       <DIR>          .
01/01/1601  12:00a       <DIR>          ..
09/08/2003  06:30a                 621 .nbattrs,v
09/08/2003  06:30a              16,566 RTP.java,v
09/08/2003  06:30a               8,502 RTPService.java,v
               3 File(s)          25,689 bytes
```

Directory of D:\cvs\cmm\esmmarketdata\src\com\ksil\esmmarketdata\util

```
01/01/1601  12:00a       <DIR>          .
01/01/1601  12:00a       <DIR>          ..
09/08/2003  06:30a               2,807 PasswordProvider.java,v
09/08/2003  06:30a              10,329 UserManager.java,v
               2 File(s)          13,136 bytes
```

Directory of D:\cvs\cmm\esmserver

```
01/01/1601  12:00a       <DIR>          .
01/01/1601  12:00a       <DIR>          ..
10/31/2003  04:01p       <DIR>          build
```

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```
                                            dir.txt
10/31/2003  04:01p      <DIR>               src
10/24/2003  02:09p            496 build.bat,v
10/24/2003  02:09p            502 build.sh,v
10/24/2003  02:09p          1,923 build.xml,v
10/24/2003  02:09p            506 doc.bat,v
                4 File(s)      3,427 bytes

   Directory of D:\cvs\cmm\esmserver\build

01/01/1601  12:00a      <DIR>               .
01/01/1601  12:00a      <DIR>               ..
10/31/2003  04:01p      <DIR>               com
                0 File(s)           0 bytes

   Directory of D:\cvs\cmm\esmserver\build\com

01/01/1601  12:00a      <DIR>               .
01/01/1601  12:00a      <DIR>               ..
10/31/2003  04:01p      <DIR>               esmserver
10/31/2003  04:01p      <DIR>               ksil
                0 File(s)           0 bytes

   Directory of D:\cvs\cmm\esmserver\build\com\esmserver

01/01/1601  12:00a      <DIR>               .
01/01/1601  12:00a      <DIR>               ..
10/31/2003  04:01p      <DIR>               beans
10/31/2003  04:01p      <DIR>               constants
10/31/2003  04:01p      <DIR>               manager
10/24/2003  02:09p         29,060 ESMServer.class,v
10/24/2003  02:09p          5,783 ESMServer_Skel.class,v
10/24/2003  02:09p          9,910 ESMServer_Stub.class,v
10/24/2003  02:09p          1,437 IESMServer.class,v
                4 File(s)     46,190 bytes

   Directory of D:\cvs\cmm\esmserver\build\com\esmserver\beans

01/01/1601  12:00a      <DIR>               .
01/01/1601  12:00a      <DIR>               ..
10/24/2003  02:09p          6,577 ESMServerBean.class,v
                1 File(s)      6,577 bytes

   Directory of D:\cvs\cmm\esmserver\build\com\esmserver\constants

01/01/1601  12:00a      <DIR>               .
01/01/1601  12:00a      <DIR>               ..
10/24/2003  02:09p          1,720 ESMServerConstants.class,v
                1 File(s)      1,720 bytes

   Directory of D:\cvs\cmm\esmserver\build\com\esmserver\manager

01/01/1601  12:00a      <DIR>               .
01/01/1601  12:00a      <DIR>               ..
10/24/2003  02:09p          2,192 ComponentManager$ConnectThread.class,v
10/24/2003  02:09p          4,984 ComponentManager.class,v
                2 File(s)      7,176 bytes

   Directory of D:\cvs\cmm\esmserver\build\com\ksil

01/01/1601  12:00a      <DIR>               .
01/01/1601  12:00a      <DIR>               ..
10/31/2003  04:01p      <DIR>               esmserver
                0 File(s)           0 bytes
```

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dir.txt

Directory of D:\cvs\cmm\esmserver\build\com\ksil\esmserver

```
01/01/1601  12:00a     <DIR>          .
01/01/1601  12:00a     <DIR>          ..
10/31/2003  04:01p     <DIR>          beans
10/31/2003  04:01p     <DIR>          constants
10/31/2003  04:01p     <DIR>          manager
10/24/2003  02:09p            16,234 ESMServer.class,v
10/24/2003  02:09p             5,793 ESMServer_Skel.class,v
10/24/2003  02:09p             9,930 ESMServer_Stub.class,v
10/24/2003  02:09p             1,442 IESMServer.class,v
               4 File(s)       33,399 bytes
```

Directory of D:\cvs\cmm\esmserver\build\com\ksil\esmserver\beans

```
01/01/1601  12:00a     <DIR>          .
01/01/1601  12:00a     <DIR>          ..
10/24/2003  02:09p             6,515 ESMServerBean.class,v
               1 File(s)        6,515 bytes
```

Directory of D:\cvs\cmm\esmserver\build\com\ksil\esmserver\constants

```
01/01/1601  12:00a     <DIR>          .
01/01/1601  12:00a     <DIR>          ..
10/24/2003  02:09p             1,734 ESMServerConstants.class,v
               1 File(s)        1,734 bytes
```

Directory of D:\cvs\cmm\esmserver\build\com\ksil\esmserver\manager

```
01/01/1601  12:00a     <DIR>          .
01/01/1601  12:00a     <DIR>          ..
10/24/2003  02:09p             2,226 ComponentManager$ConnectThread.class,v
10/24/2003  02:09p             5,068 ComponentManager.class,v
               2 File(s)        7,294 bytes
```

Directory of D:\cvs\cmm\esmserver\src

```
01/01/1601  12:00a     <DIR>          .
01/01/1601  12:00a     <DIR>          ..
10/31/2003  04:01p     <DIR>          com
               0 File(s)            0 bytes
```

Directory of D:\cvs\cmm\esmserver\src\com

```
01/01/1601  12:00a     <DIR>          .
01/01/1601  12:00a     <DIR>          ..
10/31/2003  04:01p     <DIR>          esmserver
               0 File(s)            0 bytes
```

Directory of D:\cvs\cmm\esmserver\src\com\esmserver

```
01/01/1601  12:00a     <DIR>          .
01/01/1601  12:00a     <DIR>          ..
10/31/2003  04:01p     <DIR>          beans
10/31/2003  04:01p     <DIR>          constants
10/31/2003  04:01p     <DIR>          manager
10/24/2003  02:09p             2,089 .nbattrs,v
10/24/2003  02:09p            33,147 ESMServer.java,v
10/24/2003  02:09p               391 ESMServer.rmi,v
10/24/2003  02:09p             5,268 IESMServer.java,v
               4 File(s)       40,895 bytes
```

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```
                                      dir.txt
    Directory of D:\cvs\cmm\esmserver\src\com\esmserver\beans

01/01/1601  12:00a      <DIR>          .
01/01/1601  12:00a      <DIR>          ..
10/24/2003  02:09p              13,920 ESMServerBean.java,v
            1 File(s)             13,920 bytes

    Directory of D:\cvs\cmm\esmserver\src\com\esmserver\constants

01/01/1601  12:00a      <DIR>          .
01/01/1601  12:00a      <DIR>          ..
10/24/2003  02:09p               1,527 ESMServerConstants.java,v
            1 File(s)              1,527 bytes

    Directory of D:\cvs\cmm\esmserver\src\com\esmserver\manager

01/01/1601  12:00a      <DIR>          .
01/01/1601  12:00a      <DIR>          ..
10/24/2003  02:09p              16,790 .ComponentManager.java.swp,v
10/24/2003  02:09p                 595 .nbattrs,v
10/24/2003  02:09p              11,446 ComponentManager.java,v
            3 File(s)             28,831 bytes

    Directory of D:\cvs\cmm\esmutil

01/01/1601  12:00a      <DIR>          .
01/01/1601  12:00a      <DIR>          ..
10/31/2003  04:01p      <DIR>          build
10/31/2003  04:01p      <DIR>          src
10/24/2003  02:09p                 802 .nbattrs,v
10/24/2003  02:09p                 469 build.bat,v
10/24/2003  02:09p                 503 build.sh,v
10/24/2003  02:09p               2,035 build.xml,v
10/24/2003  02:09p                 506 doc.bat,v
            5 File(s)              4,315 bytes

    Directory of D:\cvs\cmm\esmutil\build

01/01/1601  12:00a      <DIR>          .
01/01/1601  12:00a      <DIR>          ..
10/31/2003  04:01p      <DIR>          com
            0 File(s)                  0 bytes

    Directory of D:\cvs\cmm\esmutil\build\com

01/01/1601  12:00a      <DIR>          .
01/01/1601  12:00a      <DIR>          ..
10/31/2003  04:01p      <DIR>          esmutil
10/31/2003  04:01p      <DIR>          ksil
            0 File(s)                  0 bytes

    Directory of D:\cvs\cmm\esmutil\build\com\esmutil

01/01/1601  12:00a      <DIR>          .
01/01/1601  12:00a      <DIR>          ..
10/31/2003  04:01p      <DIR>          connection
10/31/2003  04:01p      <DIR>          database
10/31/2003  04:01p      <DIR>          exception
10/31/2003  04:01p      <DIR>          game
10/31/2003  04:01p      <DIR>          list
10/31/2003  04:01p      <DIR>          lock
10/31/2003  04:01p      <DIR>          logging
10/31/2003  04:01p      <DIR>          map
                                       Page 31
```

```
                                          dir.txt
10/31/2003   04:01p      <DIR>            persistence
10/31/2003   04:01p      <DIR>            queue
10/31/2003   04:01p      <DIR>            security
10/31/2003   04:01p      <DIR>            stream
10/31/2003   04:01p      <DIR>            transport
                0 File(s)                0 bytes

   Directory of D:\cvs\cmm\esmutil\build\com\esmutil\connection

01/01/1601   12:00a      <DIR>            .
01/01/1601   12:00a      <DIR>            ..
10/24/2003   02:09p               1,555 ConnectionImpl.class,v
10/24/2003   02:09p               2,218 ConnectionManager.class,v
10/24/2003   02:09p                 671 IConnection.class,v
                3 File(s)         4,444 bytes

   Directory of D:\cvs\cmm\esmutil\build\com\esmutil\database

01/01/1601   12:00a      <DIR>            .
01/01/1601   12:00a      <DIR>            ..
10/24/2003   02:09p               4,597 DBBase.class,v
10/24/2003   02:09p               1,946 DBManager.class,v
10/24/2003   02:09p               1,688 DBQuery.class,v
10/24/2003   02:09p                 706 IQuery.class,v
10/24/2003   02:09p               1,509 QueryBase$QueryKey.class,v
10/24/2003   02:09p               3,181 QueryBase.class,v
10/24/2003   02:09p                 767 QueryException.class,v
                7 File(s)        14,394 bytes

   Directory of D:\cvs\cmm\esmutil\build\com\esmutil\exception

01/01/1601   12:00a      <DIR>            .
01/01/1601   12:00a      <DIR>            ..
10/24/2003   02:09p                 981 ESMException.class,v
                1 File(s)           981 bytes

   Directory of D:\cvs\cmm\esmutil\build\com\esmutil\game

01/01/1601   12:00a      <DIR>            .
01/01/1601   12:00a      <DIR>            ..
10/24/2003   02:09p               4,927 GameServer.class,v
10/24/2003   02:09p               2,463 GameServer_Skel.class,v
10/24/2003   02:09p               4,193 GameServer_Stub.class,v
10/24/2003   02:09p                 796 IGameServer.class,v
10/24/2003   02:09p                 738 IPlayer.class,v
10/24/2003   02:09p               1,436 Player.class,v
10/24/2003   02:09p               2,560 Player_Skel.class,v
10/24/2003   02:09p               4,728 Player_Stub.class,v
                8 File(s)        21,841 bytes

   Directory of D:\cvs\cmm\esmutil\build\com\esmutil\list

01/01/1601   12:00a      <DIR>            .
01/01/1601   12:00a      <DIR>            ..
10/24/2003   02:09p               2,794 ESMPersistentArrayList.class,v
10/24/2003   02:09p               2,277 ListEvent.class,v
                2 File(s)         5,071 bytes

   Directory of D:\cvs\cmm\esmutil\build\com\esmutil\lock

01/01/1601   12:00a      <DIR>            .
01/01/1601   12:00a      <DIR>            ..
10/24/2003   02:09p               1,504 DistributedLock$1.class,v
```

```
                                        dir.txt
10/24/2003  02:09p              1,841 DistributedLock$LockWaiter.class,v
10/24/2003  02:09p              6,139 DistributedLock.class,v
10/24/2003  02:09p             12,421 LockManager.class,v
10/24/2003  02:09p              1,079 Mutex.class,v
              5 File(s)         22,984 bytes
```

Directory of D:\cvs\cmm\esmutil\build\com\esmutil\logging

```
01/01/1601  12:00a    <DIR>           .
01/01/1601  12:00a    <DIR>           ..
10/31/2003  04:01p    <DIR>           monitor
10/24/2003  02:09p               626 BroadcastTransportLogger$1.class,v
10/24/2003  02:09p             2,590 BroadcastTransportLogger$LogEntry.class,v
10/24/2003  02:09p             4,811 BroadcastTransportLogger.class,v
10/24/2003  02:09p             1,012 ILogger.class,v
10/24/2003  02:09p             1,941 LoggerManager.class,v
10/24/2003  02:09p             3,477 MonitorApplet.class,v
              6 File(s)         14,457 bytes
```

Directory of D:\cvs\cmm\esmutil\build\com\esmutil\logging\monitor

```
01/01/1601  12:00a    <DIR>           .
01/01/1601  12:00a    <DIR>           ..
10/24/2003  02:09p             2,093 HighlightTable.class,v
10/24/2003  02:09p             3,662 LogMonitorTableModel.class,v
10/24/2003  02:09p             2,672 PlaySound.class,v
10/24/2003  02:09p               609 ResponseTimer$1.class,v
10/24/2003  02:09p             2,305 ResponseTimer$OrderAckStatistic.class,v
10/24/2003  02:09p             6,560 ResponseTimer.class,v
10/24/2003  02:09p             2,591 TransportLogListener.class,v
10/24/2003  02:09p             3,110 TransportLogMonitorApplication.class,v
10/24/2003  02:09p             2,668 TransportLogMonitorFrame$1.class,v
10/24/2003  02:09p             5,677 TransportLogMonitorFrame.class,v
             10 File(s)         31,947 bytes
```

Directory of D:\cvs\cmm\esmutil\build\com\esmutil\map

```
01/01/1601  12:00a    <DIR>           .
01/01/1601  12:00a    <DIR>           ..
10/24/2003  02:09p             2,387 ESMMap.class,v
10/24/2003  02:09p             3,322 ESMPersistentMap.class,v
10/24/2003  02:09p             2,761 MapEvent.class,v
10/24/2003  02:09p             2,206 StringSerializer.class,v
              4 File(s)         10,676 bytes
```

Directory of D:\cvs\cmm\esmutil\build\com\esmutil\persistence

```
01/01/1601  12:00a    <DIR>           .
01/01/1601  12:00a    <DIR>           ..
10/24/2003  02:09p               812 IESMSerializable.class,v
10/24/2003  02:09p               675 ITransactionLog.class,v
10/24/2003  02:09p               605 ITransactionLogHandler.class,v
10/24/2003  02:09p               634 PersistentSequenceNumber$1.class,v
10/24/2003  02:09p             2,589
PersistentSequenceNumber$PersistentSequenceNumberSeriali.class,v
10/24/2003  02:09p             2,413 PersistentSequenceNumber.class,v
10/24/2003  02:09p               604 TransactionLog$1.class,v
10/24/2003  02:09p             1,899 TransactionLog$LogWaiter.class,v
10/24/2003  02:09p             4,258 TransactionLog.class,v
10/24/2003  02:09p             7,531 TransactionLogManager.class,v
             10 File(s)         22,020 bytes
```

Directory of D:\cvs\cmm\esmutil\build\com\esmutil\queue

```
                                   dir.txt

01/01/1601  12:00a      <DIR>           .
01/01/1601  12:00a      <DIR>           ..
10/24/2003  02:09p              2,874 ESMPersistentQueue.class,v
10/24/2003  02:09p                574 ESMQueue$1.class,v
10/24/2003  02:09p              2,034 ESMQueue$QueueNode.class,v
10/24/2003  02:09p              1,775 ESMQueue$QueueWaiter.class,v
10/24/2003  02:09p              3,268 ESMQueue.class,v
10/24/2003  02:09p              1,502 ObjectWrapper.class,v
10/24/2003  02:09p              2,364 QueueEvent.class,v
                7 File(s)      14,391 bytes

  Directory of D:\cvs\cmm\esmutil\build\com\esmutil\security

01/01/1601  12:00a      <DIR>           .
01/01/1601  12:00a      <DIR>           ..
10/24/2003  02:09p              1,732 SecurityDetails.class,v
10/24/2003  02:09p              7,146 SecurityMapper.class,v
                2 File(s)       8,878 bytes

  Directory of D:\cvs\cmm\esmutil\build\com\esmutil\stream

01/01/1601  12:00a      <DIR>           .
01/01/1601  12:00a      <DIR>           ..
10/24/2003  02:09p              8,354 ConversionUtilities.class,v
10/24/2003  02:09p              1,916 ESMInputOutputStream.class,v
10/24/2003  02:09p                971 ESMInputStream$ResultPair.class,v
10/24/2003  02:09p              3,363 ESMInputStream.class,v
10/24/2003  02:09p              1,834 ESMOutputStream.class,v
10/24/2003  02:09p              1,302 OffsetTracker.class,v
                6 File(s)      17,740 bytes

  Directory of D:\cvs\cmm\esmutil\build\com\esmutil\transport

01/01/1601  12:00a      <DIR>           .
01/01/1601  12:00a      <DIR>           ..
10/24/2003  02:09p                591 IBroadcastListener.class,v
10/24/2003  02:09p                833 IESMBroadcastTransport.class,v
10/24/2003  02:09p              1,039 IMapMessage.class,v
10/24/2003  02:09p              1,293 TibcoBroadcastTransport$1.class,v
10/24/2003  02:09p              1,567 TibcoBroadcastTransport$2.class,v
10/24/2003  02:09p              3,075 TibcoBroadcastTransport.class,v
10/24/2003  02:09p              3,409 TibcoMapMessage.class,v
10/24/2003  02:09p              1,574 TransportManager.class,v
                8 File(s)      13,381 bytes

  Directory of D:\cvs\cmm\esmutil\build\com\ksil

01/01/1601  12:00a      <DIR>           .
01/01/1601  12:00a      <DIR>           ..
10/31/2003  04:01p      <DIR>           esmutil
                0 File(s)           0 bytes

  Directory of D:\cvs\cmm\esmutil\build\com\ksil\esmutil

01/01/1601  12:00a      <DIR>           .
01/01/1601  12:00a      <DIR>           ..
10/31/2003  04:01p      <DIR>           connection
10/31/2003  04:01p      <DIR>           database
10/31/2003  04:01p      <DIR>           exception
10/31/2003  04:01p      <DIR>           game
10/31/2003  04:01p      <DIR>           list
10/31/2003  04:01p      <DIR>           lock
```

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```
                                             dir.txt
10/31/2003   04:01p    <DIR>         logging
10/31/2003   04:01p    <DIR>         map
10/31/2003   04:01p    <DIR>         persistence
10/31/2003   04:01p    <DIR>         queue
10/31/2003   04:01p    <DIR>         security
10/31/2003   04:01p    <DIR>         stream
10/31/2003   04:01p    <DIR>         transport
               0 File(s)          0 bytes

  Directory of D:\cvs\cmm\esmutil\build\com\ksil\esmutil\connection

01/01/1601   12:00a    <DIR>          .
01/01/1601   12:00a    <DIR>          ..
10/24/2003   02:09p          1,600 ConnectionImpl.class,v
10/24/2003   02:09p          2,254 ConnectionManager.class,v
10/24/2003   02:09p            686 IConnection.class,v
               3 File(s)          4,540 bytes

  Directory of D:\cvs\cmm\esmutil\build\com\ksil\esmutil\database

01/01/1601   12:00a    <DIR>          .
01/01/1601   12:00a    <DIR>          ..
10/24/2003   02:09p          4,607 DBBase.class,v
10/24/2003   02:09p          1,976 DBManager.class,v
10/24/2003   02:09p          1,718 DBQuery.class,v
10/24/2003   02:09p            716 IQuery.class,v
10/24/2003   02:09p          1,534 QueryBase$QueryKey.class,v
10/24/2003   02:09p          3,261 QueryBase.class,v
10/24/2003   02:09p            777 QueryException.class,v
               7 File(s)         14,589 bytes

  Directory of D:\cvs\cmm\esmutil\build\com\ksil\esmutil\exception

01/01/1601   12:00a    <DIR>          .
01/01/1601   12:00a    <DIR>          ..
10/24/2003   02:09p            991 ESMException.class,v
               1 File(s)            991 bytes

  Directory of D:\cvs\cmm\esmutil\build\com\ksil\esmutil\game

01/01/1601   12:00a    <DIR>          .
01/01/1601   12:00a    <DIR>          ..
10/24/2003   02:09p          4,982 GameServer.class,v
10/24/2003   02:09p          2,497 GameServer_Skel.class,v
10/24/2003   02:09p          4,242 GameServer_Stub.class,v
10/24/2003   02:09p            811 IGameServer.class,v
10/24/2003   02:09p            743 IPlayer.class,v
10/24/2003   02:09p          1,451 Player.class,v
10/24/2003   02:09p          2,570 Player_Skel.class,v
10/24/2003   02:09p          4,748 Player_Stub.class,v
               8 File(s)         22,044 bytes

  Directory of D:\cvs\cmm\esmutil\build\com\ksil\esmutil\list

01/01/1601   12:00a    <DIR>          .
01/01/1601   12:00a    <DIR>          ..
10/24/2003   02:09p          2,888 ESMPersistentArrayList.class,v
10/24/2003   02:09p          2,341 ListEvent.class,v
               2 File(s)          5,229 bytes

  Directory of D:\cvs\cmm\esmutil\build\com\ksil\esmutil\lock

01/01/1601   12:00a    <DIR>          .
```

```
                                             dir.txt
01/01/1601  12:00a      <DIR>          ..
10/24/2003  02:09p                1,529 DistributedLock$1.class,v
10/24/2003  02:09p                1,896 DistributedLock$LockWaiter.class,v
10/24/2003  02:09p                6,229 DistributedLock.class,v
10/24/2003  02:09p                6,621 LockManager.class,v
10/24/2003  02:09p                1,089 Mutex.class,v
              5 File(s)           17,364 bytes

     Directory of D:\cvs\cmm\esmutil\build\com\ksil\esmutil\logging

01/01/1601  12:00a      <DIR>          .
01/01/1601  12:00a      <DIR>          ..
10/31/2003  04:01p      <DIR>          monitor
10/24/2003  02:09p                  636 BroadcastTransportLogger$1.class,v
10/24/2003  02:09p                2,660 BroadcastTransportLogger$LogEntry.class,v
10/24/2003  02:09p                4,881 BroadcastTransportLogger.class,v
10/24/2003  02:09p                1,017 ILogger.class,v
10/24/2003  02:09p                1,976 LoggerManager.class,v
10/24/2003  02:09p                3,517 MonitorApplet.class,v
              6 File(s)           14,687 bytes

     Directory of D:\cvs\cmm\esmutil\build\com\ksil\esmutil\logging\monitor

01/01/1601  12:00a      <DIR>          .
01/01/1601  12:00a      <DIR>          ..
10/24/2003  02:09p                2,103 HighlightTable.class,v
10/24/2003  02:09p                3,687 LogMonitorTableModel.class,v
10/24/2003  02:09p                2,675 PlaySound.class,v
10/24/2003  02:09p                  619 ResponseTimer$1.class,v
10/24/2003  02:09p                2,364 ResponseTimer$OrderAckStatistic.class,v
10/24/2003  02:09p                6,665 ResponseTimer.class,v
10/24/2003  02:09p                2,640 TransportLogListener.class,v
10/24/2003  02:09p                3,143 TransportLogMonitorApplication.class,v
10/24/2003  02:09p                2,746 TransportLogMonitorFrame$1.class,v
10/24/2003  02:09p                5,776 TransportLogMonitorFrame.class,v
             10 File(s)           32,418 bytes

     Directory of D:\cvs\cmm\esmutil\build\com\ksil\esmutil\map

01/01/1601  12:00a      <DIR>          .
01/01/1601  12:00a      <DIR>          ..
10/24/2003  02:09p                2,422 ESMMap.class,v
10/24/2003  02:09p                3,422 ESMPersistentMap.class,v
10/24/2003  02:09p                2,836 MapEvent.class,v
10/24/2003  02:09p                2,281 StringSerializer.class,v
              4 File(s)           10,961 bytes

     Directory of D:\cvs\cmm\esmutil\build\com\ksil\esmutil\persistence

01/01/1601  12:00a      <DIR>          .
01/01/1601  12:00a      <DIR>          ..
10/24/2003  02:09p                  832 IESMSerializable.class,v
10/24/2003  02:09p                  685 ITransactionLog.class,v
10/24/2003  02:09p                  615 ITransactionLogHandler.class,v
10/24/2003  02:09p                  644 PersistentSequenceNumber$1.class,v
10/24/2003  02:09p                2,684
PersistentSequenceNumber$PersistentSequenceNumberSeriali.class,v
10/24/2003  02:09p                2,493 PersistentSequenceNumber.class,v
10/24/2003  02:09p                  614 TransactionLog$1.class,v
10/24/2003  02:09p                1,954 TransactionLog$LogWaiter.class,v
10/24/2003  02:09p                4,403 TransactionLog.class,v
10/24/2003  02:09p                7,666 TransactionLogManager.class,v
             10 File(s)           22,590 bytes
                                 Page 36
```

dir.txt

Directory of D:\cvs\cmm\esmutil\build\com\ksil\esmutil\queue

```
01/01/1601  12:00a    <DIR>          .
01/01/1601  12:00a    <DIR>          ..
10/24/2003  02:09p            2,973 ESMPersistentQueue.class,v
10/24/2003  02:09p              584 ESMQueue$1.class,v
10/24/2003  02:09p            2,124 ESMQueue$QueueNode.class,v
10/24/2003  02:09p            1,830 ESMQueue$QueueWaiter.class,v
10/24/2003  02:09p            3,398 ESMQueue.class,v
10/24/2003  02:09p            1,542 ObjectWrapper.class,v
10/24/2003  02:09p            2,428 QueueEvent.class,v
               7 File(s)      14,879 bytes
```

Directory of D:\cvs\cmm\esmutil\build\com\ksil\esmutil\security

```
01/01/1601  12:00a    <DIR>          .
01/01/1601  12:00a    <DIR>          ..
10/24/2003  02:09p            1,742 SecurityDetails.class,v
10/24/2003  02:09p            7,211 SecurityMapper.class,v
               2 File(s)       8,953 bytes
```

Directory of D:\cvs\cmm\esmutil\build\com\ksil\esmutil\stream

```
01/01/1601  12:00a    <DIR>          .
01/01/1601  12:00a    <DIR>          ..
10/24/2003  02:09p            8,240 ConversionUtilities.class,v
10/24/2003  02:09p            1,926 ESMInputOutputStream.class,v
10/24/2003  02:09p              986 ESMInputStream$ResultPair.class,v
10/24/2003  02:09p            3,398 ESMInputStream.class,v
10/24/2003  02:09p            1,854 ESMOutputStream.class,v
10/24/2003  02:09p            1,312 OffsetTracker.class,v
               6 File(s)      17,716 bytes
```

Directory of D:\cvs\cmm\esmutil\build\com\ksil\esmutil\transport

```
01/01/1601  12:00a    <DIR>          .
01/01/1601  12:00a    <DIR>          ..
10/24/2003  02:09p              601 IBroadcastListener.class,v
10/24/2003  02:09p              858 IESMBroadcastTransport.class,v
10/24/2003  02:09p            1,044 IMapMessage.class,v
10/24/2003  02:09p            1,303 TibcoBroadcastTransport$1.class,v
10/24/2003  02:09p            1,612 TibcoBroadcastTransport$2.class,v
10/24/2003  02:09p            3,145 TibcoBroadcastTransport.class,v
10/24/2003  02:09p            3,424 TibcoMapMessage.class,v
10/24/2003  02:09p            1,609 TransportManager.class,v
               8 File(s)      13,596 bytes
```

Directory of D:\cvs\cmm\esmutil\src

```
01/01/1601  12:00a    <DIR>          .
01/01/1601  12:00a    <DIR>          ..
10/31/2003  04:01p    <DIR>          com
10/24/2003  02:09p              599 .nbattrs,v
               1 File(s)         599 bytes
```

Directory of D:\cvs\cmm\esmutil\src\com

```
01/01/1601  12:00a    <DIR>          .
01/01/1601  12:00a    <DIR>          ..
10/31/2003  04:01p    <DIR>          esmutil
               0 File(s)           0 bytes
```

```
                                         dir.txt
     Directory of D:\cvs\cmm\esmutil\src\com\esmutil

01/01/1601   12:00a       <DIR>           .
01/01/1601   12:00a       <DIR>           ..
10/31/2003   04:01p       <DIR>           connection
10/31/2003   04:01p       <DIR>           database
10/31/2003   04:01p       <DIR>           exception
10/31/2003   04:01p       <DIR>           game
10/31/2003   04:01p       <DIR>           list
10/31/2003   04:01p       <DIR>           lock
10/31/2003   04:01p       <DIR>           logging
10/31/2003   04:01p       <DIR>           map
10/31/2003   04:01p       <DIR>           persistence
10/31/2003   04:01p       <DIR>           queue
10/31/2003   04:01p       <DIR>           security
10/31/2003   04:01p       <DIR>           stream
10/31/2003   04:01p       <DIR>           transport
                0 File(s)              0 bytes

     Directory of D:\cvs\cmm\esmutil\src\com\esmutil\connection

01/01/1601   12:00a       <DIR>           .
01/01/1601   12:00a       <DIR>           ..
10/24/2003   02:09p            1,883 ConnectionImpl.java,v
10/24/2003   02:09p            3,710 ConnectionManager.java,v
10/24/2003   02:09p            1,071 IConnection.java,v
                3 File(s)          6,664 bytes

     Directory of D:\cvs\cmm\esmutil\src\com\esmutil\database

01/01/1601   12:00a       <DIR>           .
01/01/1601   12:00a       <DIR>           ..
10/24/2003   02:09p            8,560 DBBase.java,v
10/24/2003   02:09p            2,139 DBManager.java,v
10/24/2003   02:09p            2,559 DBQuery.java,v
10/24/2003   02:09p            1,496 IQuery.java,v
10/24/2003   02:09p            7,484 QueryBase.java,v
10/24/2003   02:09p              783 QueryException.java,v
                6 File(s)         23,021 bytes

     Directory of D:\cvs\cmm\esmutil\src\com\esmutil\exception

01/01/1601   12:00a       <DIR>           .
01/01/1601   12:00a       <DIR>           ..
10/24/2003   02:09p            1,226 ESMException.java,v
                1 File(s)          1,226 bytes

     Directory of D:\cvs\cmm\esmutil\src\com\esmutil\game

01/01/1601   12:00a       <DIR>           .
01/01/1601   12:00a       <DIR>           ..
10/24/2003   02:09p              599 .nbattrs,v
10/24/2003   02:09p            7,401 GameServer.java,v
10/24/2003   02:09p              391 GameServer.rmi,v
10/24/2003   02:09p            1,307 IGameServer.java,v
10/24/2003   02:09p            1,477 IPlayer.java,v
10/24/2003   02:09p            2,453 Player.java,v
10/24/2003   02:09p              391 Player.rmi,v
                7 File(s)         14,019 bytes

     Directory of D:\cvs\cmm\esmutil\src\com\esmutil\list

01/01/1601   12:00a       <DIR>           .
```

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```
                                              dir.txt
01/01/1601   12:00a        <DIR>          ..
10/24/2003   02:09p                 599 .nbattrs,v
10/24/2003   02:09p               3,887 ESMPersistentArrayList.java,v
10/24/2003   02:09p               3,555 ListEvent.java,v
                    3 File(s)         8,041 bytes

     Directory of D:\cvs\cmm\esmutil\src\com\esmutil\lock

01/01/1601   12:00a        <DIR>          .
01/01/1601   12:00a        <DIR>          ..
10/24/2003   02:09p              11,799 DistributedLock.java,v
10/24/2003   02:09p              13,249 LockManager.java,v
10/24/2003   02:09p               1,238 Mutex.java,v
                    3 File(s)        26,286 bytes

     Directory of D:\cvs\cmm\esmutil\src\com\esmutil\logging

01/01/1601   12:00a        <DIR>          .
01/01/1601   12:00a        <DIR>          ..
10/31/2003   04:01p        <DIR>          monitor
10/24/2003   02:09p                 595 .nbattrs,v
10/24/2003   02:09p              10,229 BroadcastTransportLogger.java,v
10/24/2003   02:09p               1,641 ILogger.java,v
10/24/2003   02:09p               2,437 LoggerManager.java,v
10/24/2003   02:09p               5,365 MonitorApplet.java,v
                    5 File(s)        20,267 bytes

     Directory of D:\cvs\cmm\esmutil\src\com\esmutil\logging\monitor

01/01/1601   12:00a        <DIR>          .
01/01/1601   12:00a        <DIR>          ..
10/24/2003   02:09p               1,117 .nbattrs,v
10/24/2003   02:09p               2,636 HighlightTable.java,v
10/24/2003   02:09p               6,067 LogMonitorTableModel.java,v
10/24/2003   02:09p               1,975 PlaySound.java,v
10/24/2003   02:09p              10,851 ResponseTimer.java,v
10/24/2003   02:09p               3,381 TransportLogListener.java,v
10/24/2003   02:09p               3,988 TransportLogMonitorApplication.java,v
10/24/2003   02:09p               8,129 TransportLogMonitorFrame.java,v
                    8 File(s)        38,144 bytes

     Directory of D:\cvs\cmm\esmutil\src\com\esmutil\map

01/01/1601   12:00a        <DIR>          .
01/01/1601   12:00a        <DIR>          ..
10/24/2003   02:09p               3,110 ESMMap.java,v
10/24/2003   02:09p               5,130 ESMPersistentMap.java,v
10/24/2003   02:09p               4,633 MapEvent.java,v
10/24/2003   02:09p               3,075 StringSerializer.java,v
                    4 File(s)        15,948 bytes

     Directory of D:\cvs\cmm\esmutil\src\com\esmutil\persistence

01/01/1601   12:00a        <DIR>          .
01/01/1601   12:00a        <DIR>          ..
10/24/2003   02:09p               1,588 IESMSerializable.java,v
10/24/2003   02:09p               1,018 ITransactionLog.java,v
10/24/2003   02:09p                 712 ITransactionLogHandler.java,v
10/24/2003   02:09p               4,954 PersistentSequenceNumber.java,v
10/24/2003   02:09p               7,000 TransactionLog.java,v
10/24/2003   02:09p              13,011 TransactionLogManager.java,v
                    6 File(s)        28,283 bytes
```

```
                                      dir.txt
     Directory of D:\cvs\cmm\esmutil\src\com\esmutil\queue

01/01/1601  12:00a     <DIR>          .
01/01/1601  12:00a     <DIR>          ..
10/24/2003  02:09p              4,398 ESMPersistentQueue.java,v
10/24/2003  02:09p              7,304 ESMQueue.java,v
10/24/2003  02:09p              2,243 ObjectWrapper.java,v
10/24/2003  02:09p              3,973 QueueEvent.java,v
               4 File(s)       17,918 bytes

     Directory of D:\cvs\cmm\esmutil\src\com\esmutil\security

01/01/1601  12:00a     <DIR>          .
01/01/1601  12:00a     <DIR>          ..
10/24/2003  02:09p             16,787 .SecurityMapper.java.swp,v
10/24/2003  02:09p              3,029 SecurityDetails.java,v
10/24/2003  02:09p             14,974 SecurityMapper.java,v
               3 File(s)       34,790 bytes

     Directory of D:\cvs\cmm\esmutil\src\com\esmutil\stream

01/01/1601  12:00a     <DIR>          .
01/01/1601  12:00a     <DIR>          ..
10/24/2003  02:09p             22,836 ConversionUtilities.java,v
09/19/2003  11:11a             22,704 ConversionUtilities.my,v
10/24/2003  02:09p              2,469 ESMInputOutputStream.java,v
10/24/2003  02:09p              6,760 ESMInputStream.java,v
10/24/2003  02:09p              2,595 ESMOutputStream.java,v
10/24/2003  02:09p              2,112 OffsetTracker.java,v
               6 File(s)       59,476 bytes

     Directory of D:\cvs\cmm\esmutil\src\com\esmutil\transport

01/01/1601  12:00a     <DIR>          .
01/01/1601  12:00a     <DIR>          ..
10/24/2003  02:09p                706 IBroadcastListener.java,v
10/24/2003  02:09p              1,476 IESMBroadcastTransport.java,v
10/24/2003  02:09p              3,109 IMapMessage.java,v
10/24/2003  02:09p              7,273 TibcoBroadcastTransport.java,v
10/24/2003  02:09p              6,095 TibcoMapMessage.java,v
10/24/2003  02:09p              1,773 TransportManager.java,v
               6 File(s)       20,432 bytes

     Directory of D:\cvs\cmm\mds

01/01/1601  12:00a     <DIR>          .
01/01/1601  12:00a     <DIR>          ..
10/31/2003  04:01p     <DIR>          build
10/31/2003  04:01p     <DIR>          src
09/08/2003  06:30a                518 build.bat,v
09/08/2003  06:30a              1,486 build.xml,v
               2 File(s)        2,004 bytes

     Directory of D:\cvs\cmm\mds\build

01/01/1601  12:00a     <DIR>          .
01/01/1601  12:00a     <DIR>          ..
10/31/2003  04:01p     <DIR>          kts
               0 File(s)            0 bytes

     Directory of D:\cvs\cmm\mds\build\kts

01/01/1601  12:00a     <DIR>          .
```

```
                                                    dir.txt
01/01/1601   12:00a        <DIR>          ..
10/31/2003   04:01p        <DIR>          com
10/31/2003   04:01p        <DIR>          model
10/31/2003   04:01p        <DIR>          services
10/31/2003   04:01p        <DIR>          util
                   0 File(s)             0 bytes

Directory of D:\cvs\cmm\mds\build\kts\com

01/01/1601   12:00a        <DIR>          .
01/01/1601   12:00a        <DIR>          ..
09/08/2003   06:30a             4,411 Formatter.class,v
09/08/2003   06:30a             6,344 Parser.class,v
09/08/2003   06:30a             2,698 RRSubscriber.class,v
09/08/2003   06:30a               611 RvListener.class,v
09/08/2003   06:30a               704 RvListenerData.class,v
09/08/2003   06:30a             3,067 RvPublisher.class,v
09/08/2003   06:30a             1,559 RvSubscriber$1.class,v
09/08/2003   06:30a               923 RvSubscriber$Listener.class,v
09/08/2003   06:30a               904 RvSubscriber$ReplyCB.class,v
09/08/2003   06:30a             9,922 RvSubscriber.class,v
09/08/2003   06:30a             2,058 SerializedHandler.class,v
09/08/2003   06:30a             1,608 Simulator$1.class,v
09/08/2003   06:30a             3,160 Simulator$Generator.class,v
09/08/2003   06:30a               937 Simulator$SimListener.class,v
09/08/2003   06:30a             2,927 Simulator.class,v
09/08/2003   06:30a               502 Worker.class,v
                  16 File(s)         42,335 bytes

Directory of D:\cvs\cmm\mds\build\kts\model

01/01/1601   12:00a        <DIR>          .
01/01/1601   12:00a        <DIR>          ..
09/08/2003   06:30a             1,455 TestBbo.class,v
09/08/2003   06:30a             1,680 TestLsp.class,v
09/08/2003   06:30a             1,518 TestMarketState.class,v
                   3 File(s)          4,653 bytes

Directory of D:\cvs\cmm\mds\build\kts\services

01/01/1601   12:00a        <DIR>          .
01/01/1601   12:00a        <DIR>          ..
09/08/2003   06:30a             1,632 Alert.class,v
09/08/2003   06:30a               879 ApplyQuote.class,v
09/08/2003   06:30a               546 ApplyQuoteListener.class,v
09/08/2003   06:30a             1,986 ApplyQuoteService.class,v
09/08/2003   06:30a               779 AqCommand.class,v
09/08/2003   06:30a               544 AqCommandListener.class,v
09/08/2003   06:30a             2,870 AqCommandService.class,v
09/08/2003   06:30a             3,047 AqInfo.class,v
09/08/2003   06:30a               538 AqInfoListener.class,v
09/08/2003   06:30a             2,393 AqInfoService.class,v
09/08/2003   06:30a               685 CustomerOrderReflection.class,v
09/08/2003   06:30a               572 CustomerOrderReflectionListener.class,v
09/08/2003   06:30a             2,063 CustomerOrderReflectionService.class,v
09/08/2003   06:30a            12,641 DBConn.class,v
09/08/2003   06:30a             6,898 DBCreate.class,v
09/08/2003   06:30a             4,248 DBSer.class,v
09/08/2003   06:30a             3,001 Fx.class,v
09/08/2003   06:30a               530 FxListener.class,v
09/08/2003   06:30a             1,895 FxService.class,v
09/08/2003   06:30a             1,112 IdMap.class,v
09/08/2003   06:30a             3,083 Index.class,v
```

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```
                                                dir.txt
09/08/2003   06:30a                        536 IndexListener.class,v
09/08/2003   06:30a                      2,047 IndexService.class,v
09/08/2003   06:30a                        716 KTBbo.class,v
09/08/2003   06:30a                        910 KTBidAsk.class,v
09/08/2003   06:30a                        661 KTCurrencyQuote.class,v
09/08/2003   06:30a                        623 KTEntity.class,v
09/08/2003   06:30a                      2,096 KTExOrder.class,v
09/08/2003   06:30a                      1,040 KTExOrderAck.class,v
09/08/2003   06:30a                        627 KTFirmReference.class,v
09/08/2003   06:30a                        866 KTMMQuote.class,v
09/08/2003   06:30a                        858 KTQuote.class,v
09/08/2003   06:30a                      1,090 KTRequestForService.class,v
09/08/2003   06:30a                      2,279 KTTrade.class,v
09/08/2003   06:30a                        770 KTTradeParty.class,v
09/08/2003   06:30a                      5,512 Lsp.class,v
09/08/2003   06:30a                        532 LspListener.class,v
09/08/2003   06:30a                      1,377 LspRequest$1.class,v
09/08/2003   06:30a                      3,171 LspRequest.class,v
09/08/2003   06:30a                      2,540 LspService.class,v
09/08/2003   06:30a                        901 MarketState.class,v
09/08/2003   06:30a                        548 MarketStateListener.class,v
09/08/2003   06:30a                      1,663 MarketStateService.class,v
09/08/2003   06:30a                        581 OrderListener.class,v
09/08/2003   06:30a                      2,791 OrderService.class,v
09/08/2003   06:30a                      1,490 ProductByVenue.class,v
09/08/2003   06:30a                      6,507 Quote.class,v
09/08/2003   06:30a                        536 QuoteListener.class,v
09/08/2003   06:30a                      1,389 QuoteRequest$1.class,v
09/08/2003   06:30a                      3,300 QuoteRequest.class,v
09/08/2003   06:30a                      2,754 QuoteService.class,v
09/08/2003   06:30a                      1,732 RRService.class,v
09/08/2003   06:30a                        556 RRServiceListener.class,v
09/08/2003   06:30a                      2,520 Service.class,v
09/08/2003   06:30a                        557 StateListener.class,v
09/08/2003   06:30a                        879 StateMsg.class,v
09/08/2003   06:30a                      3,320 StateService.class,v
09/08/2003   06:30a                      2,098 TestBboRR.class,v
09/08/2003   06:30a                        538 TradeListener.class,v
09/08/2003   06:30a                      1,131 TradeService$1.class,v
09/08/2003   06:30a                      2,029 TradeService.class,v
               61 File(s)              118,013 bytes

Directory of D:\cvs\cmm\mds\build\kts\util

01/01/1601   12:00a        <DIR>          .
01/01/1601   12:00a        <DIR>          ..
09/08/2003   06:30a                      3,111 Config.class,v
09/08/2003   06:30a                      2,588 TableConfigRecord.class,v
                2 File(s)               5,699 bytes

Directory of D:\cvs\cmm\mds\src

01/01/1601   12:00a        <DIR>          .
01/01/1601   12:00a        <DIR>          ..
10/31/2003   04:01p        <DIR>          kts
                0 File(s)                     0 bytes

Directory of D:\cvs\cmm\mds\src\kts

01/01/1601   12:00a        <DIR>          .
01/01/1601   12:00a        <DIR>          ..
10/31/2003   04:01p        <DIR>          com
10/31/2003   04:01p        <DIR>          model
```

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```
                                        dir.txt
10/31/2003  04:01p        <DIR>          services
10/31/2003  04:01p        <DIR>          util
               0 File(s)              0 bytes

    Directory of D:\cvs\cmm\mds\src\kts\com

01/01/1601  12:00a        <DIR>          .
01/01/1601  12:00a        <DIR>          ..
09/08/2003  06:30a              9,142 Formatter.java,v
09/08/2003  06:30a             15,257 Parser.java,v
09/08/2003  06:30a              3,070 RRSubscriber.java,v
09/08/2003  06:30a                867 RvListener.java,v
09/08/2003  06:30a                922 RvListenerData.java,v
09/08/2003  06:30a              6,835 RvPublisher.java,v
09/08/2003  06:30a             17,959 RvSubscriber.java,v
09/08/2003  06:30a              3,484 SerializedHandler.java,v
09/08/2003  06:30a              6,398 Simulator.java,v
09/08/2003  06:30a                794 Worker.java,v
              10 File(s)          64,728 bytes

    Directory of D:\cvs\cmm\mds\src\kts\model

01/01/1601  12:00a        <DIR>          .
01/01/1601  12:00a        <DIR>          ..
09/08/2003  06:30a              1,131 TestBbo.java,v
09/08/2003  06:30a              1,466 TestLsp.java,v
09/08/2003  06:30a              1,279 TestMarketState.java,v
               3 File(s)           3,876 bytes

    Directory of D:\cvs\cmm\mds\src\kts\services

01/01/1601  12:00a        <DIR>          .
01/01/1601  12:00a        <DIR>          ..
09/08/2003  06:30a              2,120 Alert.java,v
09/08/2003  06:30a                989 ApplyQuote.java,v
09/08/2003  06:30a                750 ApplyQuoteListener.java,v
09/08/2003  06:30a              2,086 ApplyQuoteService.java,v
09/08/2003  06:30a                919 AqCommand.java,v
09/08/2003  06:30a                751 AqCommandListener.java,v
09/08/2003  06:30a              3,311 AqCommandService.java,v
09/08/2003  06:30a              7,363 AqInfo.java,v
09/08/2003  06:30a                906 AqInfoListener.java,v
09/08/2003  06:30a              3,587 AqInfoService.java,v
09/08/2003  06:30a                792 CustomerOrderReflection.java,v
09/08/2003  06:30a                967 CustomerOrderReflectionListener.java,v
09/08/2003  06:30a              2,143 CustomerOrderReflectionService.java,v
09/08/2003  06:30a             33,595 DBConn.java,v
09/08/2003  06:30a             11,990 DBCreate.java,v
09/08/2003  06:30a              7,083 DBSer.java,v
09/08/2003  06:30a              4,165 Fx.java,v
09/08/2003  06:30a                871 FxListener.java,v
09/08/2003  06:30a              2,693 FxService.java,v
09/08/2003  06:30a              1,377 IdMap.java,v
09/08/2003  06:30a              3,815 Index.java,v
09/08/2003  06:30a                956 IndexListener.java,v
09/08/2003  06:30a              2,334 IndexService.java,v
09/08/2003  06:30a                789 KTBbo.java,v
09/08/2003  06:30a                840 KTBidAsk.java,v
09/08/2003  06:30a                678 KTCurrencyQuote.java,v
09/08/2003  06:30a                660 KTEntity.java,v
09/08/2003  06:30a              2,188 KTExOrder.java,v
09/08/2003  06:30a                947 KTExOrderAck.java,v
09/08/2003  06:30a                642 KTFirmReference.java,v
```

```
                                    dir.txt
09/08/2003   06:30a                    788 KTMMQuote.java,v
09/08/2003   06:30a                    891 KTQuote.java,v
09/08/2003   06:30a                  1,027 KTRequestForService.java,v
09/08/2003   06:30a                  2,998 KTTrade.java,v
09/08/2003   06:30a                    875 KTTradeParty.java,v
09/08/2003   06:30a                 19,323 Lsp.java,v
09/08/2003   06:30a                    878 LspListener.java,v
09/08/2003   06:30a                  5,439 LspRequest.java,v
09/08/2003   06:30a                  2,919 LspService.java,v
09/08/2003   06:30a                    841 MarketState.java,v
09/08/2003   06:30a                    760 MarketStateListener.java,v
09/08/2003   06:30a                  2,214 MarketStateService.java,v
09/08/2003   06:30a                    948 OrderListener.java,v
09/08/2003   06:30a                  2,893 OrderService.java,v
09/08/2003   06:30a                  2,133 ProductByVenue.java,v
09/08/2003   06:30a                 17,213 Quote.java,v
09/08/2003   06:30a                    893 QuoteListener.java,v
09/08/2003   06:30a                  5,320 QuoteRequest.java,v
09/08/2003   06:30a                  3,515 QuoteService.java,v
09/08/2003   06:30a                  1,914 RRService.java,v
09/08/2003   06:30a                    776 RRServiceListener.java,v
09/08/2003   06:30a                  3,129 Service.java,v
09/08/2003   06:30a                    913 StateListener.java,v
09/08/2003   06:30a                  1,551 StateMsg.java,v
09/08/2003   06:30a                  4,835 StateService.java,v
09/08/2003   06:30a                  2,099 TestBboRR.java,v
09/08/2003   06:30a                    895 TradeListener.java,v
09/08/2003   06:30a                  2,262 TradeService.java,v
               58 File(s)         192,549 bytes

Directory of D:\cvs\cmm\mds\src\kts\util

01/01/1601   12:00a       <DIR>          .
01/01/1601   12:00a       <DIR>          ..
09/08/2003   06:30a                  4,111 Config.java,v
09/08/2003   06:30a                  4,293 TableConfigRecord.java,v
                2 File(s)          8,404 bytes

Directory of D:\cvs\cmm\nesbrass

01/01/1601   12:00a       <DIR>          .
01/01/1601   12:00a       <DIR>          ..
10/31/2003   04:01p       <DIR>          build
10/31/2003   04:01p       <DIR>          src
09/08/2003   06:30a                    621 .nbattrs,v
09/08/2003   06:30a                    525 build.sh,v
09/08/2003   06:30a                  2,026 build.xml,v
                3 File(s)          3,172 bytes

Directory of D:\cvs\cmm\nesbrass\build

01/01/1601   12:00a       <DIR>          .
01/01/1601   12:00a       <DIR>          ..
10/31/2003   04:01p       <DIR>          com
10/31/2003   04:01p       <DIR>          src
                0 File(s)          0 bytes

Directory of D:\cvs\cmm\nesbrass\build\com

01/01/1601   12:00a       <DIR>          .
01/01/1601   12:00a       <DIR>          ..
10/31/2003   04:01p       <DIR>          ksil
                0 File(s)          0 bytes
                                      Page 44
```

dir.txt

Directory of D:\cvs\cmm\nesbrass\build\com\ksil

```
01/01/1601  12:00a      <DIR>          .
01/01/1601  12:00a      <DIR>          ..
10/31/2003  04:01p      <DIR>          nesbrass
              0 File(s)              0 bytes
```

Directory of D:\cvs\cmm\nesbrass\build\com\ksil\nesbrass

```
01/01/1601  12:00a      <DIR>          .
01/01/1601  12:00a      <DIR>          ..
10/31/2003  04:01p      <DIR>          component
              0 File(s)              0 bytes
```

Directory of D:\cvs\cmm\nesbrass\build\com\ksil\nesbrass\component

```
01/01/1601  12:00a      <DIR>          .
01/01/1601  12:00a      <DIR>          ..
09/08/2003  06:30a                9,345 NESComponent.class,v
09/08/2003  06:30a                2,596 NESParser.class,v
09/08/2003  06:30a                5,150 NESSession.class,v
09/08/2003  06:30a                1,919 OrderRule.class,v
09/08/2003  06:30a                4,529 SessionReaderThread.class,v
              5 File(s)         23,539 bytes
```

Directory of D:\cvs\cmm\nesbrass\build\src

```
01/01/1601  12:00a      <DIR>          .
01/01/1601  12:00a      <DIR>          ..
10/31/2003  04:01p      <DIR>          esmbrass
              0 File(s)              0 bytes
```

Directory of D:\cvs\cmm\nesbrass\build\src\esmbrass

```
01/01/1601  12:00a      <DIR>          .
01/01/1601  12:00a      <DIR>          ..
10/31/2003  04:01p      <DIR>          src
              0 File(s)              0 bytes
```

Directory of D:\cvs\cmm\nesbrass\build\src\esmbrass\src

```
01/01/1601  12:00a      <DIR>          .
01/01/1601  12:00a      <DIR>          ..
10/31/2003  04:01p      <DIR>          com
              0 File(s)              0 bytes
```

Directory of D:\cvs\cmm\nesbrass\build\src\esmbrass\src\com

```
01/01/1601  12:00a      <DIR>          .
01/01/1601  12:00a      <DIR>          ..
10/31/2003  04:01p      <DIR>          ksil
              0 File(s)              0 bytes
```

Directory of D:\cvs\cmm\nesbrass\build\src\esmbrass\src\com\ksil

```
01/01/1601  12:00a      <DIR>          .
01/01/1601  12:00a      <DIR>          ..
10/31/2003  04:01p      <DIR>          esmbrass
              0 File(s)              0 bytes
```

Directory of D:\cvs\cmm\nesbrass\build\src\esmbrass\src\com\ksil\esmbrass

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```
                                                dir.txt
01/01/1601  12:00a        <DIR>          .
01/01/1601  12:00a        <DIR>          ..
10/31/2003  04:01p        <DIR>          constants
                  0 File(s)              0 bytes
    Directory of D:\cvs\cmm\nesbrass\build\src\esmbrass\src\com\ksil\esmbrass\constants

01/01/1601  12:00a        <DIR>          .
01/01/1601  12:00a        <DIR>          ..
09/08/2003  06:30a                32,971 BrassFields.class,v
                  1 File(s)       32,971 bytes

    Directory of D:\cvs\cmm\nesbrass\src

01/01/1601  12:00a        <DIR>          .
01/01/1601  12:00a        <DIR>          ..
10/31/2003  04:01p        <DIR>          com
                  0 File(s)              0 bytes

    Directory of D:\cvs\cmm\nesbrass\src\com

01/01/1601  12:00a        <DIR>          .
01/01/1601  12:00a        <DIR>          ..
10/31/2003  04:01p        <DIR>          ksil
                  0 File(s)              0 bytes

    Directory of D:\cvs\cmm\nesbrass\src\com\ksil

01/01/1601  12:00a        <DIR>          .
01/01/1601  12:00a        <DIR>          ..
10/31/2003  04:01p        <DIR>          nesbrass
                  0 File(s)              0 bytes

    Directory of D:\cvs\cmm\nesbrass\src\com\ksil\nesbrass

01/01/1601  12:00a        <DIR>          .
01/01/1601  12:00a        <DIR>          ..
10/31/2003  04:01p        <DIR>          component
09/08/2003  06:30a                   621 .nbattrs,v
                  1 File(s)            621 bytes

    Directory of D:\cvs\cmm\nesbrass\src\com\ksil\nesbrass\component

01/01/1601  12:00a        <DIR>          .
01/01/1601  12:00a        <DIR>          ..
09/08/2003  06:30a                   803 .nbattrs,v
09/08/2003  06:30a                19,619 NESComponent.java,v
09/08/2003  06:30a                 2,069 NESParser.java,v
09/08/2003  06:30a                 6,906 NESSession.java,v
09/08/2003  06:30a                 1,284 OrderRule.java,v
09/08/2003  06:30a                 6,080 SessionReaderThread.java,v
                  6 File(s)        36,761 bytes

    Directory of D:\cvs\ets

01/01/1601  12:00a        <DIR>          .
01/01/1601  12:00a        <DIR>          ..
10/31/2003  04:01p        <DIR>          gui
10/31/2003  04:01p        <DIR>          makerules
10/31/2003  04:01p        <DIR>          pinnacle
11/03/2003  01:10p        <DIR>          slicer
11/03/2003  07:12a        <DIR>          sumosrvr
10/31/2003  04:01p        <DIR>          tools
```

```
                                            dir.txt
10/16/2003   01:17p                    709 make.bash,v
                 1 File(s)             709 bytes

    Directory of D:\cvs\ets\gui

01/01/1601   12:00a      <DIR>              .
01/01/1601   12:00a      <DIR>              ..
10/31/2003   04:01p      <DIR>              components
                 0 File(s)               0 bytes

    Directory of D:\cvs\ets\gui\components

01/01/1601   12:00a      <DIR>              .
01/01/1601   12:00a      <DIR>              ..
08/27/2003   01:32p               1,532 CrownCheckBox.java,v
08/27/2003   01:32p               3,368 CrownFloatField.java,v
08/27/2003   01:32p               2,877 CrownIntField.java,v
08/27/2003   01:32p              10,338 CrownTimeField.java,v
08/27/2003   01:32p                 645 Makefile,v
                 5 File(s)           18,760 bytes

    Directory of D:\cvs\ets\makerules

01/01/1601   12:00a      <DIR>              .
01/01/1601   12:00a      <DIR>              ..
10/13/2003   11:33a                 719 defs.mk,v
08/27/2003   01:32p                 676 rules.mk,v
                 2 File(s)            1,395 bytes

    Directory of D:\cvs\ets\pinnacle

01/01/1601   12:00a      <DIR>              .
01/01/1601   12:00a      <DIR>              ..
10/31/2003   04:01p      <DIR>              bizobj
10/31/2003   04:01p      <DIR>              custint
10/31/2003   04:01p      <DIR>              db
10/31/2003   04:01p      <DIR>              execengine
10/31/2003   04:01p      <DIR>              feedagents
10/31/2003   04:01p      <DIR>              isld
10/31/2003   04:01p      <DIR>              lib
10/31/2003   04:01p      <DIR>              mktaccess
10/31/2003   04:01p      <DIR>              mktdata
10/31/2003   04:01p      <DIR>              ordent
10/31/2003   04:01p      <DIR>              run
10/31/2003   04:01p      <DIR>              sdp
10/31/2003   04:01p      <DIR>              sequencer
10/31/2003   04:01p      <DIR>              test
                 0 File(s)               0 bytes

    Directory of D:\cvs\ets\pinnacle\bizobj

01/01/1601   12:00a      <DIR>              .
01/01/1601   12:00a      <DIR>              ..
10/31/2003   04:01p      <DIR>              account
10/31/2003   04:01p      <DIR>              base
10/31/2003   04:01p      <DIR>              calendar
10/31/2003   04:01p      <DIR>              contra
10/31/2003   04:01p      <DIR>              firm
10/31/2003   04:01p      <DIR>              fix
10/31/2003   04:01p      <DIR>              market
10/31/2003   04:01p      <DIR>              mktxs
10/31/2003   04:01p      <DIR>              order
10/31/2003   04:01p      <DIR>              product
```

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```
                                           dir.txt
10/31/2003   04:01p     <DIR>            program
10/31/2003   04:01p     <DIR>            quote
10/31/2003   04:01p     <DIR>            refdata
10/31/2003   04:01p     <DIR>            rules
10/31/2003   04:01p     <DIR>            trade
10/31/2003   04:01p     <DIR>            trader
10/31/2003   04:01p     <DIR>            trdent
10/13/2003   11:33a              1,080 make.bash,v
              1 File(s)          1,080 bytes

   Directory of D:\cvs\ets\pinnacle\bizobj\account

01/01/1601   12:00a     <DIR>            .
01/01/1601   12:00a     <DIR>            ..
08/27/2003   01:32p              1,660 AccessType.java,v
08/27/2003   01:32p              1,714 AccountRole.java,v
08/27/2003   01:32p              1,679 AccountType.java,v
08/27/2003   01:32p              5,335 FirmAccount.java,v
08/27/2003   01:32p                646 Makefile,v
              5 File(s)         11,034 bytes

   Directory of D:\cvs\ets\pinnacle\bizobj\base

01/01/1601   12:00a     <DIR>            .
01/01/1601   12:00a     <DIR>            ..
10/22/2003   10:07a              5,510 BusinessObject.java,v
08/27/2003   01:32p                596 Makefile,v
08/27/2003   01:32p              1,576 UpdateType.java,v
              3 File(s)          7,682 bytes

   Directory of D:\cvs\ets\pinnacle\bizobj\calendar

01/01/1601   12:00a     <DIR>            .
01/01/1601   12:00a     <DIR>            ..
08/27/2003   01:32p                378 ..new,v
08/27/2003   01:32p              5,876 Calendar.java,v
08/27/2003   01:32p                570 Makefile,v
              3 File(s)          6,824 bytes

   Directory of D:\cvs\ets\pinnacle\bizobj\contra

01/01/1601   12:00a     <DIR>            .
01/01/1601   12:00a     <DIR>            ..
08/27/2003   01:32p              7,358 Customer.java,v
08/27/2003   01:32p              1,653 CustomerType.java,v
08/27/2003   01:32p                594 Makefile,v
              3 File(s)          9,605 bytes

   Directory of D:\cvs\ets\pinnacle\bizobj\firm

01/01/1601   12:00a     <DIR>            .
01/01/1601   12:00a     <DIR>            ..
08/27/2003   01:32p              6,167 Firm.java,v
08/27/2003   01:32p                562 Makefile,v
              2 File(s)          6,729 bytes

   Directory of D:\cvs\ets\pinnacle\bizobj\fix

01/01/1601   12:00a     <DIR>            .
01/01/1601   12:00a     <DIR>            ..
10/13/2003   11:32a     <DIR>            Attic
09/16/2003   04:01p              8,724 FIXMessage.java,v
09/16/2003   04:01p              4,095 FIXParser.java,v
```

```
                                    dir.txt
09/16/2003  04:01p                 56,724 FIXTags.java,v
08/27/2003  01:32p                    611 Makefile,v
             4 File(s)              70,154 bytes

   Directory of D:\cvs\ets\pinnacle\bizobj\fix\Attic

01/01/1601  12:00a    <DIR>          .
01/01/1601  12:00a    <DIR>          ..
10/13/2003  11:32a                  8,849 FIXMessage.java,v
10/13/2003  11:32a                  4,220 FIXParser.java,v
10/13/2003  11:32a                 56,849 FIXTags.java,v
10/13/2003  11:32a                    687 Makefile,v
             4 File(s)              70,605 bytes

   Directory of D:\cvs\ets\pinnacle\bizobj\market

01/01/1601  12:00a    <DIR>          .
01/01/1601  12:00a    <DIR>          ..
08/27/2003  01:32p                  4,739 Exchange.java,v
08/27/2003  01:32p                  1,215 LiquiditySource.java,v
08/27/2003  01:32p                    641 Makefile,v
10/06/2003  02:58p                  8,459 Market.java,v
08/27/2003  01:32p                  2,353 MarketState.java,v
10/06/2003  02:58p                  2,208 MarketStateMsg.java,v
             6 File(s)              19,615 bytes

   Directory of D:\cvs\ets\pinnacle\bizobj\mktxs

01/01/1601  12:00a    <DIR>          .
01/01/1601  12:00a    <DIR>          ..
08/27/2003  01:32p                  5,583 ExecVenue.java,v
08/27/2003  01:32p                    591 Makefile,v
08/27/2003  01:32p                  2,855 OrderDest.java,v
             3 File(s)               9,029 bytes

   Directory of D:\cvs\ets\pinnacle\bizobj\order

01/01/1601  12:00a    <DIR>          .
01/01/1601  12:00a    <DIR>          ..
10/06/2003  02:57p    <DIR>          Attic
10/06/2003  02:57p                  2,129 BMW.java,v
10/06/2003  02:57p                  2,257 BuySell.java,v
10/06/2003  02:57p                  2,427 CommissionType.java,v
10/30/2003  08:41a                 27,827 CustOrder.java,v
10/13/2003  11:33a                  4,765 CustOrderState.java,v
10/06/2003  02:57p                  3,175 CustOrderUpdateType.java,v
08/27/2003  01:32p                  2,245 Demand.java,v
10/06/2003  02:57p                  1,946 DisplayInstr.java,v
08/27/2003  01:32p                  2,173 DisplayStatus.java,v
10/16/2003  01:07p                  4,934 ExecInstr.java,v
10/06/2003  02:57p                  2,171 FirmCapacity.java,v
10/16/2003  01:07p                 12,043 FirmOrder.java,v
10/16/2003  01:07p                  3,425 FirmOrderState.java,v
10/06/2003  02:57p                  1,822 FirmOrderUpdateType.java,v
10/06/2003  02:57p                  2,208 HandlingInstr.java,v
10/06/2003  02:57p                  1,447 Makefile,v
10/30/2003  10:56a                 27,272 Order.java,v
10/23/2003  08:24a                 10,549 OrderBook.java,v
08/27/2003  01:32p                  3,623 OrderState.java,v
08/27/2003  01:32p                  3,196 OrderUpdateType.java,v
10/06/2003  02:57p                  3,480 PriceInstr.java,v
10/06/2003  02:58p                  1,645 PriceTick.java,v
10/06/2003  02:57p                  2,066 QtyInstr.java,v
```

```
                                           dir.txt
10/30/2003  10:56a                 9,887 Quote.java,v
08/27/2003  01:32p                 2,325 ReferencePrice.java,v
08/27/2003  01:32p                 2,260 RefPriceScope.java,v
08/27/2003  01:32p                 2,508 RefPriceType.java,v
10/06/2003  02:57p                 2,369 SettlementInstr.java,v
10/30/2003  08:41a                 2,729 TimeInstr.java,v
             29 File(s)          150,903 bytes

   Directory of D:\cvs\ets\pinnacle\bizobj\order\Attic

01/01/1601  12:00a     <DIR>           .
01/01/1601  12:00a     <DIR>           ..
10/06/2003  02:57p                 2,339 Demand.java,v
10/06/2003  02:57p                 3,717 OrderState.java,v
10/06/2003  02:57p                 3,290 OrderUpdateType.java,v
              3 File(s)            9,346 bytes

   Directory of D:\cvs\ets\pinnacle\bizobj\product

01/01/1601  12:00a     <DIR>           .
01/01/1601  12:00a     <DIR>           ..
08/27/2003  01:32p                 2,916 InstrumentType.java,v
08/27/2003  01:32p                   650 Makefile,v
10/23/2003  08:25a                 8,361 Product.java,v
08/27/2003  01:32p                 5,967 ProductAtVenue.java,v
08/27/2003  01:32p                 2,154 ProductState.java,v
              5 File(s)           20,048 bytes

   Directory of D:\cvs\ets\pinnacle\bizobj\program

01/01/1601  12:00a     <DIR>           .
01/01/1601  12:00a     <DIR>           ..
08/27/2003  01:32p                   568 Makefile,v
08/27/2003  01:32p                 5,288 Program.java,v
              2 File(s)            5,856 bytes

   Directory of D:\cvs\ets\pinnacle\bizobj\quote

01/01/1601  12:00a     <DIR>           .
01/01/1601  12:00a     <DIR>           ..
10/06/2003  03:03p     <DIR>           Attic
08/27/2003  01:32p                 1,186 Ask.java,v
08/27/2003  01:32p                 2,415 Bbo.java,v
08/27/2003  01:32p                 2,446 BestBidOffer.java,v
08/27/2003  01:32p                 1,190 Bid.java,v
08/27/2003  01:32p                 3,003 BidAsk.java,v
08/27/2003  01:32p                 3,087 BidOffer.java,v
08/27/2003  01:32p                 4,907 LastSale.java,v
08/27/2003  01:32p                   804 Makefile,v
08/27/2003  01:32p                 4,598 MarketByPrice.java,v
08/27/2003  01:32p                 2,759 MMBid.java,v
08/27/2003  01:32p                 2,091 MMBidOffer.java,v
08/27/2003  01:32p                 2,795 MMOffer.java,v
08/27/2003  01:32p                 2,078 MMQuote.java,v
08/27/2003  01:32p                 1,543 MMType.java,v
08/27/2003  01:32p                 1,200 Offer.java,v
08/27/2003  01:32p                 1,778 PriceTick.java,v
08/27/2003  01:32p                 2,804 Quote.java,v
             17 File(s)           40,684 bytes

   Directory of D:\cvs\ets\pinnacle\bizobj\quote\Attic

01/01/1601  12:00a     <DIR>           .
```

```
                                              dir.txt
01/01/1601   12:00a      <DIR>           ..
10/06/2003   03:03p           1,255 Ask.java,v
10/06/2003   03:03p           2,484 Bbo.java,v
10/06/2003   03:03p           2,515 BestBidOffer.java,v
10/06/2003   03:03p           1,259 Bid.java,v
10/06/2003   03:03p           3,072 BidAsk.java,v
10/06/2003   03:03p           3,156 BidOffer.java,v
10/06/2003   03:03p           4,976 LastSale.java,v
10/06/2003   03:03p             873 Makefile,v
10/06/2003   03:03p           4,667 MarketByPrice.java,v
10/06/2003   03:03p           2,828 MMBid.java,v
10/06/2003   03:03p           2,160 MMBidOffer.java,v
10/06/2003   03:03p           2,864 MMOffer.java,v
10/06/2003   03:03p           2,147 MMQuote.java,v
10/06/2003   03:03p           1,606 MMType.java,v
10/06/2003   03:03p           1,269 Offer.java,v
10/06/2003   03:03p           1,847 PriceTick.java,v
10/06/2003   03:03p           2,873 Quote.java,v
              17 File(s)     41,851 bytes

 Directory of D:\cvs\ets\pinnacle\bizobj\refdata

01/01/1601   12:00a      <DIR>           .
01/01/1601   12:00a      <DIR>           ..
08/27/2003   01:32p             568 Makefile,v
10/06/2003   02:59p           6,741 RefData.java,v
               2 File(s)      7,309 bytes

 Directory of D:\cvs\ets\pinnacle\bizobj\rules

01/01/1601   12:00a      <DIR>           .
01/01/1601   12:00a      <DIR>           ..
08/27/2003   01:32p           2,967 BusinessRule.java,v
08/27/2003   01:32p           5,726 CommissionRule.java,v
10/06/2003   02:59p           4,678 ExecOption.java,v
08/27/2003   01:32p           1,837 ExecQtyType.java,v
10/16/2003   01:07p           1,071 Makefile,v
08/27/2003   01:32p           5,174 ManningRule.java,v
08/27/2003   01:32p           6,593 OrderDisplayRule.java,v
10/23/2003   08:25a          10,178 OrderEntryRule.java,v
10/06/2003   02:59p           6,642 PositionLimitRule.java,v
08/27/2003   01:32p           7,938 PricingRule.java,v
08/27/2003   01:32p           3,270 ReportingRule.java,v
08/29/2003   11:24a          10,387 RulesCache.java,v
08/27/2003   01:32p           2,934 RulesKey.java,v
10/16/2003   01:07p           3,612 RuleType.java,v
08/27/2003   01:32p           2,811 ShortSellRule.java,v
10/13/2003   12:08p           1,521 t_rules.java,v
08/27/2003   01:32p           9,997 templ,v
10/16/2003   01:47p           2,070 TradingEntityType.java,v
10/06/2003   02:59p          15,514 TradingRule.java,v
08/27/2003   01:32p           1,653 UptickBasis.java,v
              20 File(s)    106,573 bytes

 Directory of D:\cvs\ets\pinnacle\bizobj\trade

01/01/1601   12:00a      <DIR>           .
01/01/1601   12:00a      <DIR>           ..
10/06/2003   03:00p           1,722 BoughtSold.java,v
10/30/2003   08:41a           3,595 BuyerSeller.java,v
09/16/2003   04:01p             803 Makefile,v
08/27/2003   01:32p             974 PositionPnL.java,v
10/06/2003   03:00p           7,388 ProfitAndLoss.java,v
```

```
                                            dir.txt
10/30/2003  08:42a                  36,789 Trade.java,v
10/06/2003  03:00p                   3,651 TradeConditions.java,v
10/06/2003  03:00p                   3,531 TradeState.java,v
10/06/2003  03:00p                   4,345 TradeUpdateType.java,v
              9 File(s)             62,798 bytes
```

Directory of D:\cvs\ets\pinnacle\bizobj\trader

```
01/01/1601  12:00a      <DIR>          .
01/01/1601  12:00a      <DIR>          ..
08/27/2003  01:32p                     615 Makefile,v
08/27/2003  01:32p                   4,849 Trader.java,v
08/27/2003  01:32p                   2,459 TraderLevel.java,v
08/27/2003  01:32p                   1,479 TraderType.java,v
              4 File(s)              9,402 bytes
```

Directory of D:\cvs\ets\pinnacle\bizobj\trdent

```
01/01/1601  12:00a      <DIR>          .
01/01/1601  12:00a      <DIR>          ..
08/27/2003  01:32p                     573 Makefile,v
10/16/2003  01:07p                   7,677 TradingEntity.java,v
              2 File(s)              8,250 bytes
```

Directory of D:\cvs\ets\pinnacle\custint

```
01/01/1601  12:00a      <DIR>          .
01/01/1601  12:00a      <DIR>          ..
10/16/2003  01:08p                     396 custint.cfg,v
10/23/2003  08:27a                   1,889 CustomerInterface.java,v
10/16/2003  01:08p                     514 fix_session,v
10/23/2003  08:27a                   9,043 FromCustomer.java,v
10/16/2003  01:08p                     402 logger.cfg,v
10/16/2003  01:08p                     513 Makefile,v
10/16/2003  01:08p                  15,309 QuickFixFieldMapper.java,v
10/16/2003  01:08p                   6,217 QuickFixMapper.java,v
10/16/2003  01:08p                   5,939 ToCustomer.java,v
10/23/2003  08:27a                   6,273 ToPinnacle.java,v
             10 File(s)             46,495 bytes
```

Directory of D:\cvs\ets\pinnacle\db

```
01/01/1601  12:00a      <DIR>          .
01/01/1601  12:00a      <DIR>          ..
10/31/2003  04:01p      <DIR>          defaults
10/31/2003  04:01p      <DIR>          dump
10/31/2003  04:01p      <DIR>          schema
10/31/2003  04:01p      <DIR>          sproc
              0 File(s)                  0 bytes
```

Directory of D:\cvs\ets\pinnacle\db\defaults

```
01/01/1601  12:00a      <DIR>          .
01/01/1601  12:00a      <DIR>          ..
10/16/2003  01:07p                   6,757 fill_ref_account.sql,v
10/16/2003  01:07p                   1,384 fill_ref_calendar.sql,v
10/16/2003  01:07p                   2,495 fill_ref_customer.sql,v
10/16/2003  01:07p                   1,142 fill_ref_exchange.sql,v
10/16/2003  01:07p                   1,340 fill_ref_exec_venue.sql,v
10/16/2003  01:07p                   1,748 fill_ref_firm.sql,v
10/16/2003  01:07p                   1,861 fill_ref_market.sql,v
10/16/2003  01:07p                   1,016 fill_ref_order_dest.sql,v
10/16/2003  01:07p                   4,077 fill_ref_product.sql,v
```

```
                                        dir.txt
10/16/2003   01:07p              8,548 fill_ref_trader.sql,v
10/16/2003   01:07p              1,711 fill_rule_commission.sql,v
10/23/2003   08:27a              9,223 fill_rule_key.sql,v
10/16/2003   01:07p              1,353 fill_rule_manning.sql,v
10/16/2003   01:07p              1,453 fill_rule_order_display.sql,v
10/23/2003   08:27a              1,945 fill_rule_order_entry.sql,v
10/16/2003   01:07p              1,208 fill_rule_pos_limit.sql,v
10/16/2003   01:07p              1,351 fill_rule_pricing.sql,v
10/16/2003   01:07p              1,170 fill_rule_reporting.sql,v
10/16/2003   01:07p              1,080 fill_rule_short_sell.sql,v
10/16/2003   01:07p              1,541 fill_rule_trading.sql,v
               20 File(s)       52,403 bytes

Directory of D:\cvs\ets\pinnacle\db\dump

01/01/1601   12:00a   <DIR>          .
01/01/1601   12:00a   <DIR>          ..
10/13/2003   11:41a              2,279 db_table_to_class_map,v
10/23/2003   08:28a              6,050 DBDump.java,v
10/13/2003   11:41a              2,184 DBDumpAccount.java,v
10/13/2003   11:41a              2,224 DBDumpCalendar.java,v
10/13/2003   11:41a              2,234 DBDumpCommissionRule.java,v
10/13/2003   11:41a              2,909 DBDumpCustomer.java,v
10/13/2003   11:41a              3,691 DBDumpEntity.java,v
10/13/2003   11:41a              2,327 DBDumpMarket.java,v
10/13/2003   11:41a              2,211 DBDumpPosLimitRule.java,v
10/13/2003   11:41a              2,475 DBDumpPricingRule.java,v
10/13/2003   11:41a              2,193 DBDumpProduct.java,v
10/23/2003   08:28a              2,682 DBDumpRuleKey.java,v
10/13/2003   11:41a              1,258 DBDumpSubEntity.java,v
10/13/2003   11:41a              2,501 DBDumpTradingRule.java,v
10/16/2003   01:07p                510 dump.cfg,v
10/13/2003   11:41a                395 logger.cfg,v
10/13/2003   11:41a                706 Makefile,v
               17 File(s)       38,829 bytes

Directory of D:\cvs\ets\pinnacle\db\schema

01/01/1601   12:00a   <DIR>          .
01/01/1601   12:00a   <DIR>          ..
10/31/2003   04:01p   <DIR>          indexes
10/31/2003   04:01p   <DIR>          tables
10/31/2003   04:01p   <DIR>          types
                0 File(s)            0 bytes

Directory of D:\cvs\ets\pinnacle\db\schema\indexes

01/01/1601   12:00a   <DIR>          .
01/01/1601   12:00a   <DIR>          ..
10/13/2003   11:41a              1,583 create_all_indexes.bash,v
10/13/2003   11:41a                689 create_idx_data_order.sql,v
10/13/2003   11:41a                397 create_idx_data_quote.sql,v
10/13/2003   11:41a                430 create_idx_data_trade.sql,v
10/13/2003   11:41a                396 create_idx_ref_account.sql,v
10/13/2003   11:41a                420 create_idx_ref_acct_access.sql,v
10/13/2003   11:41a                401 create_idx_ref_calendar.sql,v
10/13/2003   11:41a                408 create_idx_ref_cust_acct.sql,v
10/13/2003   11:41a                431 create_idx_ref_cust_coverage.sql,v
10/13/2003   11:41a                672 create_idx_ref_cust_id_map.sql,v
10/13/2003   11:41a                401 create_idx_ref_customer.sql,v
10/13/2003   11:41a                401 create_idx_ref_exchange.sql,v
10/13/2003   11:41a                411 create_idx_ref_exec_venue.sql,v
10/13/2003   11:41a                381 create_idx_ref_firm.sql,v
```

```
                                             dir.txt
10/13/2003  11:41a                    663 create_idx_ref_holiday_list.sql,v
10/13/2003  11:41a                    391 create_idx_ref_market.sql,v
10/13/2003  11:41a                    411 create_idx_ref_order_dest.sql,v
10/13/2003  11:41a                    682 create_idx_ref_prod_id_map.sql,v
10/13/2003  11:41a                    396 create_idx_ref_product.sql,v
10/13/2003  11:41a                    700 create_idx_ref_product_at_venue.sql,v
10/13/2003  11:41a                    391 create_idx_ref_trader.sql,v
10/13/2003  11:41a                    687 create_idx_rule_autoex_size_ent.sql,v
10/13/2003  11:41a                    416 create_idx_rule_commission.sql,v
10/13/2003  11:41a                    692 create_idx_rule_commission_ent.sql,v
10/13/2003  11:41a                    432 create_idx_rule_key.sql,v
10/13/2003  11:41a                    401 create_idx_rule_manning.sql,v
10/13/2003  11:41a                    413 create_idx_rule_order_display.sql,v
10/13/2003  11:41a                    421 create_idx_rule_order_entry.sql,v
10/13/2003  11:41a                    411 create_idx_rule_pos_limit.sql,v
10/13/2003  11:41a                    667 create_idx_rule_pos_limit_ent.sql,v
10/13/2003  11:41a                    401 create_idx_rule_pricing.sql,v
10/13/2003  11:41a                    661 create_idx_rule_pricing_ent.sql,v
10/13/2003  11:41a                    411 create_idx_rule_reporting.sql,v
10/13/2003  11:41a                    416 create_idx_rule_short_sell.sql,v
10/13/2003  11:41a                    401 create_idx_rule_trading.sql,v
              35 File(s)       17,885 bytes

Directory of D:\cvs\ets\pinnacle\db\schema\tables

01/01/1601  12:00a    <DIR>          .
01/01/1601  12:00a    <DIR>          ..
10/31/2003  04:01p    <DIR>          data
10/31/2003  04:01p    <DIR>          ref
10/31/2003  04:01p    <DIR>          rule
               0 File(s)            0 bytes

Directory of D:\cvs\ets\pinnacle\db\schema\tables\data

01/01/1601  12:00a    <DIR>          .
01/01/1601  12:00a    <DIR>          ..
10/27/2003  11:06a                  2,213 create_all_tables.bash,v
10/30/2003  08:42a                  3,137 create_tbl_data_cust_order.sql,v
10/27/2003  11:06a                  1,923 create_tbl_data_firm_order.sql,v
10/27/2003  11:06a                  1,461 create_tbl_data_pnl.sql,v
10/27/2003  11:06a                  3,228 create_tbl_data_trade.sql,v
10/27/2003  11:06a                    625 create_tbl_data_trd_montage.sql,v
               6 File(s)       12,587 bytes

Directory of D:\cvs\ets\pinnacle\db\schema\tables\ref

01/01/1601  12:00a    <DIR>          .
01/01/1601  12:00a    <DIR>          ..
10/16/2003  01:11p    <DIR>          Attic
10/13/2003  11:41a                  2,206 create_all_tables.bash,v
10/16/2003  01:07p                  1,173 create_tbl_ref_account.sql,v
10/16/2003  01:07p                    778 create_tbl_ref_acct_access.sql,v
10/16/2003  01:07p                    760 create_tbl_ref_calendar.sql,v
10/13/2003  11:41a                    605 create_tbl_ref_cust_acct.sql,v
10/13/2003  11:41a                    622 create_tbl_ref_cust_coverage.sql,v
10/13/2003  11:41a                    682 create_tbl_ref_cust_id_map.sql,v
10/13/2003  11:41a                    619 create_tbl_ref_cust_trd_acct.sql,v
10/16/2003  01:07p                  1,149 create_tbl_ref_customer.sql,v
10/16/2003  01:07p                    960 create_tbl_ref_exchange.sql,v
10/16/2003  01:07p                  1,079 create_tbl_ref_exec_venue.sql,v
10/16/2003  01:07p                  1,320 create_tbl_ref_firm.sql,v
10/13/2003  11:41a                    598 create_tbl_ref_holiday_list.sql,v
10/16/2003  01:07p                  1,110 create_tbl_ref_market.sql,v
```

```
                                      dir.txt
10/16/2003   01:11p               574 create_tbl_ref_market_mpv.sql,v
10/13/2003   11:41a               567 create_tbl_ref_mkt_mpv.sql,v
10/16/2003   01:07p               855 create_tbl_ref_order_dest.sql,v
10/13/2003   11:41a               555 create_tbl_ref_prod_id_map.sql,v
10/16/2003   01:07p             1,397 create_tbl_ref_product.sql,v
10/16/2003   01:07p             1,113 create_tbl_ref_product_at_venue.sql,v
10/16/2003   01:11p               562 create_tbl_ref_product_id_map.sql,v
10/16/2003   01:07p             1,257 create_tbl_ref_trader.sql,v
              22 File(s)       20,541 bytes
```

Directory of D:\cvs\ets\pinnacle\db\schema\tables\ref\Attic

```
01/01/1601   12:00a   <DIR>          .
01/01/1601   12:00a   <DIR>          ..
10/16/2003   01:11p               693 create_tbl_ref_mkt_mpv.sql,v
10/16/2003   01:11p               681 create_tbl_ref_prod_id_map.sql,v
               2 File(s)        1,374 bytes
```

Directory of D:\cvs\ets\pinnacle\db\schema\tables\rule

```
01/01/1601   12:00a   <DIR>          .
01/01/1601   12:00a   <DIR>          ..
10/13/2003   11:41a             2,206 create_all_tables.bash,v
10/13/2003   11:41a               703 create_tbl_rule_autoex_size_ent.sql,v
10/16/2003   01:07p             1,042 create_tbl_rule_commission.sql,v
10/13/2003   11:41a               644 create_tbl_rule_commission_ent.sql,v
10/23/2003   08:29a               918 create_tbl_rule_key.sql,v
10/16/2003   01:07p             1,160 create_tbl_rule_manning.sql,v
10/16/2003   01:07p             1,235 create_tbl_rule_order_display.sql,v
10/23/2003   08:29a             1,600 create_tbl_rule_order_entry.sql,v
10/16/2003   01:07p             1,043 create_tbl_rule_pos_limit.sql,v
10/13/2003   11:41a               611 create_tbl_rule_pos_limit_ent.sql,v
10/16/2003   01:07p             1,138 create_tbl_rule_pricing.sql,v
10/13/2003   11:41a               634 create_tbl_rule_pricing_ent.sql,v
10/16/2003   01:07p             1,027 create_tbl_rule_reporting.sql,v
10/16/2003   01:07p               955 create_tbl_rule_short_sell.sql,v
10/16/2003   01:07p             1,291 create_tbl_rule_trading.sql,v
              15 File(s)       16,207 bytes
```

Directory of D:\cvs\ets\pinnacle\db\schema\types

```
01/01/1601   12:00a   <DIR>          .
01/01/1601   12:00a   <DIR>          ..
10/16/2003   01:10p   <DIR>          Attic
10/13/2003   11:41a             1,591 create_all_types.bash,v
10/13/2003   11:41a               623 create_type_account_role.sql,v
10/13/2003   11:41a               617 create_type_account_type.sql,v
10/13/2003   11:41a               617 create_type_account_xs_type.sql,v
10/13/2003   11:41a               337 create_type_address.sql,v
10/13/2003   11:41a               609 create_type_bought_sold.sql,v
10/13/2003   11:41a               600 create_type_buy_sell.sql,v
10/13/2003   11:41a               609 create_type_capacity.sql,v
10/13/2003   11:41a               623 create_type_comm_type.sql,v
10/13/2003   11:41a               337 create_type_comment.sql,v
10/13/2003   11:41a               345 create_type_country_id.sql,v
10/13/2003   11:41a               348 create_type_currency_id.sql,v
10/13/2003   11:41a               909 create_type_cust_order_state.sql,v
10/13/2003   11:41a               809 create_type_cust_order_update_type.sql,v
10/13/2003   11:41a               597 create_type_cust_type.sql,v
10/13/2003   11:41a               336 create_type_date.sql,v
10/13/2003   11:41a               653 create_type_exec_instr.sql,v
10/13/2003   11:41a               674 create_type_exec_option.sql,v
10/13/2003   11:41a               661 create_type_exec_qty_unit.sql,v
```

```
                                         dir.txt
10/13/2003   11:41a                  688 create_type_exorder_state.sql,v
10/13/2003   11:41a                  645 create_type_exorder_update.sql,v
10/16/2003   01:07p                1,402 create_type_firm_order_state.sql,v
10/13/2003   11:41a                  727 create_type_firm_order_update_type.sql,v
10/13/2003   11:41a                  356 create_type_generic_id.sql,v
10/13/2003   11:41a                  331 create_type_instr.sql,v
10/13/2003   11:41a                  696 create_type_instrument.sql,v
10/13/2003   11:41a                  623 create_type_mkt_state.sql,v
10/13/2003   11:41a                  339 create_type_name.sql,v
10/13/2003   11:41a                  587 create_type_peg_type.sql,v
10/13/2003   11:41a                  339 create_type_price.sql,v
10/13/2003   11:41a                  652 create_type_product_state.sql,v
10/13/2003   11:41a                  347 create_type_quantity.sql,v
10/13/2003   11:41a                  334 create_type_reason.sql,v
10/13/2003   11:41a                  348 create_type_ref_num.sql,v
10/13/2003   11:41a                  621 create_type_ref_price.sql,v
10/16/2003   01:07p                  905 create_type_ref_price_scope.sql,v
10/16/2003   01:07p                  974 create_type_ref_price_type.sql,v
10/13/2003   11:41a                  900 create_type_reflect_status.sql,v
10/13/2003   11:41a                  346 create_type_reserved.sql,v
10/13/2003   11:41a                  672 create_type_rule.sql,v
10/13/2003   11:41a                  351 create_type_rule_ids.sql,v
10/13/2003   11:41a                  558 create_type_switch.sql,v
10/13/2003   11:41a                  549 create_type_tick.sql,v
10/13/2003   11:41a                  334 create_type_time.sql,v
10/13/2003   11:41a                  709 create_type_trade_state.sql,v
10/16/2003   01:07p                1,322 create_type_trade_update.sql,v
10/13/2003   11:41a                  701 create_type_trader_level.sql,v
10/13/2003   11:41a                  607 create_type_trader_type.sql,v
10/13/2003   11:41a                  566 create_type_update.sql,v
10/13/2003   11:41a                  616 create_type_uptick_basis.sql,v
10/13/2003   11:41a                  348 create_type_version.sql,v
                51 File(s)         31,388 bytes

 Directory of D:\cvs\ets\pinnacle\db\schema\types\Attic

01/01/1601   12:00a     <DIR>          .
01/01/1601   12:00a     <DIR>          ..
10/16/2003   01:10p                  713 create_type_peg_type.sql,v
10/16/2003   01:10p                  747 create_type_ref_price.sql,v
                 2 File(s)          1,460 bytes

 Directory of D:\cvs\ets\pinnacle\db\sproc

01/01/1601   12:00a     <DIR>          .
01/01/1601   12:00a     <DIR>          ..
10/31/2003   04:01p     <DIR>          data
                 0 File(s)              0 bytes

 Directory of D:\cvs\ets\pinnacle\db\sproc\data

01/01/1601   12:00a     <DIR>          .
01/01/1601   12:00a     <DIR>          ..
10/27/2003   11:11a                1,465 create_all_sproc.bash,v
10/30/2003   08:43a               12,046 create_sp_cust_order.sql,v
10/27/2003   11:11a                6,789 create_sp_firm_order.sql,v
10/27/2003   11:11a                6,090 create_sp_pnl.sql,v
10/27/2003   11:11a               13,281 create_sp_trade.sql,v
10/27/2003   11:11a                  758 create_sp_trd_montage.sql,v
                 6 File(s)         40,429 bytes

 Directory of D:\cvs\ets\pinnacle\execengine
```

```
                                              dir.txt
01/01/1601   12:00a      <DIR>          .
01/01/1601   12:00a      <DIR>          ..
10/23/2003   08:29a              1,135 ExecAlgorithm.java,v
10/23/2003   08:29a              3,743 ExecAuto.java,v
10/23/2003   08:29a              6,369 ExecCross.java,v
10/23/2003   03:18p              1,528 ExecEngine.java,v
10/23/2003   08:29a              2,670 ExecExtern.java,v
10/23/2003   08:29a              4,442 ExecManning.java,v
10/23/2003   08:29a              1,834 ExecManual.java,v
10/23/2003   08:29a              2,988 ExecStreet.java,v
10/16/2003   01:08p                621 Makefile,v
10/23/2003   03:18p              1,762 MsgEnqueuer.java,v
10/23/2003   08:29a              2,733 MsgProcessor.java,v
10/23/2003   08:29a             19,899 OrderProcessor.java,v
             12 File(s)         49,724 bytes

 Directory of D:\cvs\ets\pinnacle\feedagents

01/01/1601   12:00a      <DIR>          .
01/01/1601   12:00a      <DIR>          ..
10/31/2003   04:01p      <DIR>          lib
10/31/2003   04:01p      <DIR>          nasdaq
10/31/2003   04:01p      <DIR>          nqds
10/31/2003   04:01p      <DIR>          uqdf
              0 File(s)              0 bytes

 Directory of D:\cvs\ets\pinnacle\feedagents\lib

01/01/1601   12:00a      <DIR>          .
01/01/1601   12:00a      <DIR>          ..
10/30/2003   12:22p              2,285 FeedAdapter.java,v
10/30/2003   12:22p              1,506 FeedPublisher.java,v
10/30/2003   12:22p              1,312 MsgBuffer.java,v
10/30/2003   12:22p                825 RecoverFeedData.java,v
              4 File(s)          5,928 bytes

 Directory of D:\cvs\ets\pinnacle\feedagents\nasdaq

01/01/1601   12:00a      <DIR>          .
01/01/1601   12:00a      <DIR>          ..
10/30/2003   12:23p              1,290 ClosingQuoteRecapMsg.java,v
10/30/2003   12:23p                558 GeneralAdminMsg.java,v
10/30/2003   12:23p              4,708 NasdaqAdapter.java,v
10/30/2003   12:23p              7,575 NasdaqMsg.java,v
10/30/2003   12:23p              1,064 NasdaqPacket.java,v
10/30/2003   12:23p                653 TradingActionMsg.java,v
              6 File(s)         15,848 bytes

 Directory of D:\cvs\ets\pinnacle\feedagents\nqds

01/01/1601   12:00a      <DIR>          .
01/01/1601   12:00a      <DIR>          ..
10/30/2003   12:23p              2,183 LongInsideAppendage.java,v
10/30/2003   12:23p              2,743 LongQuote.java,v
10/30/2003   12:23p              2,784 MktmkrLongQuote.java,v
10/30/2003   12:23p              2,571 MktmkrShortQuote.java,v
10/30/2003   12:23p              4,461 NQDSAdapter.java,v
10/30/2003   12:23p              1,501 NQDSFeed.java,v
10/30/2003   12:23p              2,074 ShortInsideAppendage.java,v
10/30/2003   12:23p              2,670 ShortQuote.java,v
              8 File(s)         20,987 bytes

 Directory of D:\cvs\ets\pinnacle\feedagents\uqdf
```

```
                              dir.txt

01/01/1601   12:00a    <DIR>          .
01/01/1601   12:00a    <DIR>          ..
10/30/2003   12:25p              1,756 LongInsideUQDFAppendage.java,v
10/30/2003   12:25p              3,160 LongUQDFQuote.java,v
10/30/2003   12:25p              1,991 ShortInsideUQDFAppendage.java,v
10/30/2003   12:25p              2,622 ShortUQDFQuote.java,v
10/30/2003   12:25p              3,061 UQDFAdapter.java,v
10/30/2003   12:25p              1,505 UQDFFeed.java,v
                 6 File(s)       14,095 bytes

Directory of D:\cvs\ets\pinnacle\isld

01/01/1601   12:00a    <DIR>          .
01/01/1601   12:00a    <DIR>          ..
10/06/2003   03:10p                671 ClientHeartbeatMsg.java,v
10/06/2003   03:10p                753 DebugMsg.java,v
10/06/2003   03:10p              1,128 LoginAckMsg.java,v
10/06/2003   03:10p                851 LoginNackMsg.java,v
10/06/2003   03:10p              1,548 LoginReqMsg.java,v
10/06/2003   03:10p                653 LogoutReqMsg.java,v
10/06/2003   04:50p                552 Makefile,v
10/06/2003   03:10p              3,458 Packet.java,v
10/06/2003   03:10p                671 ServerHeartbeatMsg.java,v
                 9 File(s)       10,285 bytes

Directory of D:\cvs\ets\pinnacle\lib

01/01/1601   12:00a    <DIR>          .
01/01/1601   12:00a    <DIR>          ..
10/16/2003   12:09p    <DIR>          Attic
10/27/2003   11:03a             11,635 Application.java,v
09/16/2003   04:02p                237 AutoEx.java,v
10/06/2003   04:51p              1,182 CompareOrdersByTime.java,v
09/16/2003   04:02p              6,112 CrossOrders.java,v
10/06/2003   04:31p              3,353 ExecAlgorithm.java,v
10/06/2003   04:52p              3,525 ExecAuto.java,v
10/06/2003   04:52p              6,151 ExecCross.java,v
10/06/2003   04:52p              2,452 ExecExtern.java,v
10/06/2003   04:52p              4,224 ExecManning.java,v
10/06/2003   04:52p              1,578 ExecManual.java,v
10/06/2003   04:52p              2,770 ExecStreet.java,v
10/06/2003   04:31p              6,406 ExecUtil.java,v
10/16/2003   12:09p              1,547 Makefile,v
10/16/2003   12:09p              6,568 OMSOrder.java,v
10/06/2003   04:31p              3,430 OMSTrade.java,v
10/06/2003   04:31p              1,140 OpenHandler.java,v
10/06/2003   04:31p              2,661 OpeningStats.java,v
09/16/2003   04:02p             17,965 OrderBook.java,v
09/16/2003   04:02p              3,359 OrderFile.java,v
10/06/2003   04:31p              8,452 Preopen.java,v
10/06/2003   04:31p              1,291 StockOpen.java,v
09/16/2003   04:02p              2,228 SymbolSplit.java,v
09/16/2003   04:02p              2,978 TradeFile.java,v
                23 File(s)      101,244 bytes

Directory of D:\cvs\ets\pinnacle\lib\Attic

01/01/1601   12:00a    <DIR>          .
01/01/1601   12:00a    <DIR>          ..
10/06/2003   04:31p                363 AutoEx.java,v
10/06/2003   04:33p              6,238 CrossOrders.java,v
10/16/2003   12:09p              3,478 ExecAlgorithm.java,v
                              Page 58
```

```
                                           dir.txt
10/16/2003   12:09p              3,651 ExecAuto.java,v
10/16/2003   12:09p              6,277 ExecCross.java,v
10/16/2003   12:09p              2,578 ExecExtern.java,v
10/16/2003   12:09p              4,350 ExecManning.java,v
10/16/2003   12:09p              1,704 ExecManual.java,v
10/16/2003   12:09p              2,896 ExecStreet.java,v
10/06/2003   04:33p             18,091 OrderBook.java,v
10/06/2003   04:33p              3,485 OrderFile.java,v
10/06/2003   04:33p              3,104 TradeFile.java,v
              12 File(s)        56,215 bytes

 Directory of D:\cvs\ets\pinnacle\mktaccess

01/01/1601   12:00a    <DIR>          .
01/01/1601   12:00a    <DIR>          ..
10/31/2003   04:01p    <DIR>          arca
10/31/2003   04:01p    <DIR>          brut
10/31/2003   04:01p    <DIR>          inca
10/31/2003   04:01p    <DIR>          isld
10/31/2003   04:01p    <DIR>          lib
10/31/2003   04:01p    <DIR>          nasdaq
               0 File(s)           0 bytes

 Directory of D:\cvs\ets\pinnacle\mktaccess\arca

01/01/1601   12:00a    <DIR>          .
01/01/1601   12:00a    <DIR>          ..
               0 File(s)           0 bytes

 Directory of D:\cvs\ets\pinnacle\mktaccess\brut

01/01/1601   12:00a    <DIR>          .
01/01/1601   12:00a    <DIR>          ..
               0 File(s)           0 bytes

 Directory of D:\cvs\ets\pinnacle\mktaccess\inca

01/01/1601   12:00a    <DIR>          .
01/01/1601   12:00a    <DIR>          ..
               0 File(s)           0 bytes

 Directory of D:\cvs\ets\pinnacle\mktaccess\isld

01/01/1601   12:00a    <DIR>          .
01/01/1601   12:00a    <DIR>          ..
10/06/2003   11:42a              1,811 AppMsg.java,v
10/06/2003   03:27p              3,397 FromISLD.java,v
09/16/2003   03:58p              1,395 ISLD.java,v
09/16/2003   03:58p                700 Makefile,v
10/06/2003   03:27p              3,536 OrderAcceptedMsg.java,v
10/06/2003   11:42a              1,755 OrderCancelledMsg.java,v
10/06/2003   03:27p              2,320 OrderCancelMsg.java,v
10/06/2003   11:42a              2,995 OrderEntryMsg.java,v
10/06/2003   11:42a              2,238 OrderExecutedMsg.java,v
10/06/2003   11:42a              1,475 OrderRejectedMsg.java,v
09/16/2003   03:58p              2,644 OUCHAdapter.java,v
10/06/2003   11:42a              1,004 SysEventMsg.java,v
10/06/2003   03:27p              2,978 ToISLD.java,v
10/06/2003   11:42a              1,364 TradeBrokenMsg.java,v
09/16/2003   03:58p              1,087 TryISLD.java,v
              15 File(s)        30,699 bytes

 Directory of D:\cvs\ets\pinnacle\mktaccess\lib
```

dir.txt

```
01/01/1601  12:00a      <DIR>          .
01/01/1601  12:00a      <DIR>          ..
10/06/2003  03:23p      <DIR>          Attic
09/16/2003  03:58p          1,013 ExecutionVenueInterface.java,v
10/13/2003  11:33a          4,576 FIXAdapter.java,v
10/06/2003  03:28p          2,912 FIXClient.java,v
09/16/2003  03:58p          4,282 FIXMapper.java,v
10/06/2003  03:23p          8,593 FromFIX.java,v
10/06/2003  03:23p            623 Makefile,v
10/06/2003  03:28p            591 QHandler.java,v
10/06/2003  03:23p          4,884 t_fix.java,v
10/13/2003  11:33a         11,274 ToFIX.java,v
                9 File(s)       38,748 bytes

 Directory of D:\cvs\ets\pinnacle\mktaccess\lib\Attic

01/01/1601  12:00a      <DIR>          .
01/01/1601  12:00a      <DIR>          ..
10/06/2003  03:23p          1,139 ExecutionVenueInterface.java,v
                1 File(s)        1,139 bytes

 Directory of D:\cvs\ets\pinnacle\mktaccess\nasdaq

01/01/1601  12:00a      <DIR>          .
01/01/1601  12:00a      <DIR>          ..
                0 File(s)            0 bytes

 Directory of D:\cvs\ets\pinnacle\mktdata

01/01/1601  12:00a      <DIR>          .
01/01/1601  12:00a      <DIR>          ..
10/31/2003  04:01p      <DIR>          arca
10/31/2003  04:01p      <DIR>          brut
10/31/2003  04:01p      <DIR>          inca
10/31/2003  04:01p      <DIR>          isld
10/31/2003  04:01p      <DIR>          lib
10/31/2003  04:01p      <DIR>          nasdaq
                0 File(s)            0 bytes

 Directory of D:\cvs\ets\pinnacle\mktdata\arca

01/01/1601  12:00a      <DIR>          .
01/01/1601  12:00a      <DIR>          ..
10/28/2003  05:32p          8,680 ARCAAdapter.java,v
10/30/2003  10:01a            983 ARCAFeed.java,v
10/07/2003  09:47a            667 HeartbeatMsg.java,v
10/07/2003  09:47a            840 LoginAckMsg.java,v
10/07/2003  09:47a          1,147 LoginNackMsg.java,v
10/07/2003  09:47a          1,137 LoginReqMsg.java,v
10/07/2003  09:47a            668 LogoffReqMsg.java,v
10/22/2003  10:08a            827 Makefile,v
10/07/2003  09:47a          3,554 Message.java,v
10/07/2003  09:47a          2,199 OrderAddMsg.java,v
10/22/2003  10:08a          1,964 OrderDelMsg.java,v
10/07/2003  09:47a          2,049 OrderModMsg.java,v
10/07/2003  09:47a            843 TestReqMsg.java,v
10/07/2003  09:47a            847 TestRespMsg.java,v
10/22/2003  10:08a          1,070 TryARCA.java,v
               15 File(s)       27,475 bytes

 Directory of D:\cvs\ets\pinnacle\mktdata\brut
```

```
                                        dir.txt
01/01/1601   12:00a      <DIR>              .
01/01/1601   12:00a      <DIR>              ..
10/22/2003   10:08a      <DIR>              Attic
10/06/2003   03:19p            1,497 AppMsg.java,v
10/20/2003   09:42a              983 BRUTFeed.java,v
09/16/2003   04:00p              683 ClientHeartbeatMsg.java,v
10/06/2003   03:19p            1,050 DebugMsg.java,v
10/06/2003   03:19p            1,406 GoodbyeMsg.java,v
10/28/2003   05:32p            9,518 ITCHAdapter.java,v
10/06/2003   03:19p            1,272 LoginReqMsg.java,v
10/22/2003   10:08a              987 Makefile,v
10/20/2003   09:51a            2,446 MsgBuffer.java,v
10/06/2003   03:19p            2,085 NewOrderMsg.java,v
10/06/2003   03:19p            1,388 OrderModMsg.java,v
10/13/2003   11:33a            3,995 Packet.java,v
10/06/2003   03:19p            1,296 ServerHeartbeatMsg.java,v
10/06/2003   03:19p            1,292 SysEventMsg.java,v
10/13/2003   11:33a            1,146 TryBRUT.java,v
10/06/2003   03:19p            1,255 WelcomeMsg.java,v
                16 File(s)        32,299 bytes

 Directory of D:\cvs\ets\pinnacle\mktdata\brut\Attic

01/01/1601   12:00a      <DIR>              .
01/01/1601   12:00a      <DIR>              ..
10/22/2003   10:08a            2,572 MsgBuffer.java,v
                 1 File(s)         2,572 bytes

 Directory of D:\cvs\ets\pinnacle\mktdata\inca

01/01/1601   12:00a      <DIR>              .
01/01/1601   12:00a      <DIR>              ..
10/06/2003   04:53p      <DIR>              Attic
10/06/2003   03:19p            1,160 HeartbeatMsg.java,v
10/28/2003   05:32p           13,076 INCAAdapter.java,v
10/20/2003   09:41a              983 INCAFeed.java,v
09/16/2003   04:00p            1,238 LoginAckMsg.java,v
09/16/2003   04:00p            1,122 LoginNackMsg.java,v
10/06/2003   03:19p            1,493 LoginReqMsg.java,v
10/06/2003   03:19p              899 LogoffReqMsg.java,v
10/13/2003   11:33a            1,172 Makefile,v
10/06/2003   03:19p            4,055 Message.java,v
09/16/2003   04:00p            1,694 NewTradeMsg.java,v
10/06/2003   03:19p            3,383 OrderAddMsg.java,v
10/06/2003   03:19p            2,303 OrderDelMsg.java,v
10/06/2003   03:19p            3,672 OrderModMsg.java,v
10/06/2003   03:19p            1,323 PlaceholderMsg.java,v
10/06/2003   04:53p            1,253 SysEventMsg.java,v
10/06/2003   03:19p              887 TestReqMsg.java,v
10/06/2003   03:19p            1,023 TestRespMsg.java,v
10/06/2003   04:53p            1,692 TradeAddMsg.java,v
09/16/2003   04:00p            1,694 TradeCorMsg.java,v
09/16/2003   04:00p            1,398 TradeCxlMsg.java,v
10/06/2003   04:53p            1,396 TradeDelMsg.java,v
10/06/2003   04:53p            1,692 TradeModMsg.java,v
09/16/2003   04:00p              870 TryARCA.java,v
10/13/2003   11:33a            1,097 TryINCA.java,v
                24 File(s)        50,575 bytes

 Directory of D:\cvs\ets\pinnacle\mktdata\inca\Attic

01/01/1601   12:00a      <DIR>              .
01/01/1601   12:00a      <DIR>              ..
```

```
                                       dir.txt
10/06/2003   04:37p              1,820 NewTradeMsg.java,v
10/06/2003   04:37p              1,820 TradeCorMsg.java,v
10/06/2003   04:37p              1,524 TradeCxlMsg.java,v
10/06/2003   04:53p                996 TryARCA.java,v
              4 File(s)           6,160 bytes

 Directory of D:\cvs\ets\pinnacle\mktdata\isld

01/01/1601   12:00a      <DIR>          .
01/01/1601   12:00a      <DIR>          ..
10/06/2003   03:19p      <DIR>          Attic
10/06/2003   03:19p              1,562 AppMsg.java,v
09/16/2003   04:00p                683 ClientHeartbeatMsg.java,v
09/16/2003   04:00p                769 DebugMsg.java,v
10/28/2003   05:32p             11,297 ITCHAdapter.java,v
09/16/2003   04:00p                951 LoginAckMsg.java,v
09/16/2003   04:00p                830 LoginNackMsg.java,v
09/16/2003   04:00p              1,268 LoginReqMsg.java,v
09/16/2003   04:00p                665 LogoutReqMsg.java,v
09/16/2003   04:00p                588 Makefile,v
10/06/2003   03:19p              1,855 NewOrderMsg.java,v
09/16/2003   04:00p              1,549 NewTradeMsg.java,v
10/06/2003   03:19p              1,296 OrderCancelledMsg.java,v
10/06/2003   03:19p              1,441 OrderExecutedMsg.java,v
09/16/2003   04:00p              2,497 Packet.java,v
09/16/2003   04:00p                683 ServerHeartbeatMsg.java,v
10/06/2003   03:19p              1,088 SysEventMsg.java,v
10/06/2003   03:19p              1,139 TradeCancelledMsg.java,v
10/22/2003   10:09a              1,070 TryISLD.java,v
             18 File(s)          31,231 bytes

 Directory of D:\cvs\ets\pinnacle\mktdata\isld\Attic

01/01/1601   12:00a      <DIR>          .
01/01/1601   12:00a      <DIR>          ..
10/06/2003   03:19p                809 ClientHeartbeatMsg.java,v
10/06/2003   03:19p                895 DebugMsg.java,v
10/06/2003   03:19p              1,077 LoginAckMsg.java,v
10/06/2003   03:19p                956 LoginNackMsg.java,v
10/06/2003   03:19p              1,394 LoginReqMsg.java,v
10/06/2003   03:19p                791 LogoutReqMsg.java,v
10/06/2003   03:19p              2,623 Packet.java,v
10/06/2003   03:19p                809 ServerHeartbeatMsg.java,v
              8 File(s)           9,354 bytes

 Directory of D:\cvs\ets\pinnacle\mktdata\lib

01/01/1601   12:00a      <DIR>          .
01/01/1601   12:00a      <DIR>          ..
10/30/2003   10:57a              2,001 ExchangeQuote.java,v
10/30/2003   10:57a              4,772 LastSale.java,v
10/30/2003   10:57a                938 Makefile,v
10/30/2003   10:57a              4,428 MarketByPrice.java,v
10/06/2003   03:19p              2,798 MDFAdapter.java,v
10/06/2003   03:19p              2,265 MDPublisher.java,v
10/22/2003   10:10a              2,445 MsgBuffer.java,v
10/06/2003   03:19p              1,380 RecoverMktData.java,v
              8 File(s)          21,027 bytes

 Directory of D:\cvs\ets\pinnacle\mktdata\nasdaq

01/01/1601   12:00a      <DIR>          .
01/01/1601   12:00a      <DIR>          ..
```

```
                                                 dir.txt
10/31/2003   04:01p      <DIR>          nqds
10/31/2003   04:01p      <DIR>          omdf
10/31/2003   04:01p      <DIR>          sdp
10/31/2003   04:01p      <DIR>          uqdf
08/27/2003   01:32p          1,642 ClosingQuoteRecapMsg.java,v
08/27/2003   01:32p            931 GeneralAdminMsg.java,v
08/27/2003   01:32p            716 Makefile,v
10/30/2003   09:12a          5,856 NasdaqAdapter.java,v
08/27/2003   01:32p          5,277 NasdaqMsg.java,v
10/30/2003   09:12a          1,615 NasdaqPacket.java,v
08/27/2003   01:32p          1,039 TradingActionMsg.java,v
               7 File(s)     17,076 bytes

 Directory of D:\cvs\ets\pinnacle\mktdata\nasdaq\nqds

01/01/1601   12:00a      <DIR>          .
01/01/1601   12:00a      <DIR>          ..
09/16/2003   03:59p          3,710 LongInsideAppendage.java,v
09/16/2003   03:59p          4,889 LongQuote.java,v
08/27/2003   01:32p            716 Makefile,v
10/30/2003   09:12a          3,743 NQDSAdapter.java,v
10/30/2003   09:57a          2,715 NQDSFeed.java,v
09/16/2003   03:59p          3,642 ShortInsideAppendage.java,v
09/16/2003   03:59p          4,783 ShortQuote.java,v
               7 File(s)     24,198 bytes

 Directory of D:\cvs\ets\pinnacle\mktdata\nasdaq\omdf

01/01/1601   12:00a      <DIR>          .
01/01/1601   12:00a      <DIR>          ..
09/16/2003   03:59p          3,103 LongInsideAppendage.java,v
09/16/2003   03:59p          4,768 LongQuote.java,v
08/27/2003   01:32p            716 Makefile,v
10/30/2003   09:12a          3,742 OMDFAdapter.java,v
10/30/2003   09:58a          2,715 OMDFFeed.java,v
09/16/2003   03:59p          3,021 ShortInsideAppendage.java,v
09/16/2003   03:59p          4,658 ShortQuote.java,v
               7 File(s)     22,723 bytes

 Directory of D:\cvs\ets\pinnacle\mktdata\nasdaq\sdp

01/01/1601   12:00a      <DIR>          .
01/01/1601   12:00a      <DIR>          ..
10/30/2003   10:59a      <DIR>          Attic
10/06/2003   03:19p         13,805 FullMktData.java,v
10/06/2003   03:19p          4,771 LastSale.java,v
10/06/2003   03:19p          4,427 MarketByPrice.java,v
10/06/2003   03:19p          1,886 MktDataSrvr.java,v
10/06/2003   03:19p          4,618 MktMkrQuotes.java,v
10/06/2003   03:19p          3,766 SdpMDFAdapter.java,v
10/06/2003   03:19p          1,973 SdpMDPublisher.java,v
               7 File(s)     35,246 bytes

 Directory of D:\cvs\ets\pinnacle\mktdata\nasdaq\sdp\Attic

01/01/1601   12:00a      <DIR>          .
01/01/1601   12:00a      <DIR>          ..
10/30/2003   10:59a          4,884 LastSale.java,v
10/30/2003   10:59a          4,540 MarketByPrice.java,v
               2 File(s)      9,424 bytes

 Directory of D:\cvs\ets\pinnacle\mktdata\nasdaq\uqdf
```

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```
                                                dir.txt
01/01/1601   12:00a      <DIR>                 .
01/01/1601   12:00a      <DIR>                 ..
09/16/2003   03:59p              3,355 LongNBBOAppendage.java,v
09/16/2003   03:59p              4,154 LongQuote.java,v
08/27/2003   01:32p                712 Makefile,v
08/27/2003   01:32p                652 publog.cfg,v
09/16/2003   03:59p              3,363 ShortNBBOAppendage.java,v
09/16/2003   03:59p              4,265 ShortQuote.java,v
08/27/2003   01:32p                643 uqdf.cfg,v
10/30/2003   09:12a              3,675 UQDFAdapter.java,v
10/30/2003   09:58a              2,703 UQDFFeed.java,v
               9 File(s)         23,522 bytes

Directory of D:\cvs\ets\pinnacle\ordent

01/01/1601   12:00a      <DIR>                 .
01/01/1601   12:00a      <DIR>                 ..
10/28/2003   05:23p      <DIR>                 Attic
10/28/2003   03:39p              1,730 CustOrderCancel.java,v
10/28/2003   03:39p              5,159 CustOrderEntry.java,v
10/28/2003   03:39p                964 CustOrderUpdate.java,v
10/28/2003   05:24p              1,770 EcnOrderCancel.java,v
10/28/2003   05:31p              2,368 EcnOrderEntry.java,v
10/28/2003   05:23p              5,435 EntryBase.java,v
10/28/2003   05:23p              2,965 EntryEngine.java,v
10/28/2003   03:39p              1,868 EntryHandler.java,v
10/28/2003   03:39p              1,635 FirmOrderCancel.java,v
10/28/2003   03:39p              4,522 FirmOrderEntry.java,v
10/28/2003   05:23p                796 Makefile,v
10/28/2003   05:23p                527 OrdEnt.cfg,v
10/28/2003   03:39p                260 ordfile,v
10/28/2003   05:24p              3,136 QuoteEntry.java,v
10/28/2003   05:24p                247 t_book.cfg,v
10/28/2003   05:24p              1,965 t_book.java,v
10/28/2003   03:39p              1,602 TradeCancel.java,v
10/28/2003   03:39p              4,009 TradeEntry.java,v
              18 File(s)         40,958 bytes

Directory of D:\cvs\ets\pinnacle\ordent\Attic

01/01/1601   12:00a      <DIR>                 .
01/01/1601   12:00a      <DIR>                 ..
10/28/2003   05:23p              1,557 OrderCancel.java,v
10/28/2003   05:23p              1,557 OrderUpdate.java,v
               2 File(s)          3,114 bytes

Directory of D:\cvs\ets\pinnacle\run

01/01/1601   12:00a      <DIR>                 .
01/01/1601   12:00a      <DIR>                 ..
10/23/2003   08:34a      <DIR>                 Attic
10/31/2003   04:01p      <DIR>                 cfg
10/31/2003   04:01p      <DIR>                 ref
10/31/2003   04:01p      <DIR>                 rules
10/16/2003   01:22p                416 brut_exec.cfg,v
10/16/2003   01:22p                451 brut_feed.cfg,v
10/16/2003   01:22p                396 custint.cfg,v
10/16/2003   01:22p                479 fix_session,v
10/16/2003   01:09p                404 logger.cfg,v
10/16/2003   01:22p                337 t_fix.cfg,v
               6 File(s)          2,483 bytes

Directory of D:\cvs\ets\pinnacle\run\Attic
```

dir.txt

```
01/01/1601  12:00a      <DIR>           .
01/01/1601  12:00a      <DIR>           ..
10/23/2003  08:34a              542 brut_exec.cfg,v
10/23/2003  08:34a              577 brut_feed.cfg,v
10/23/2003  08:33a              522 custint.cfg,v
10/23/2003  08:33a              605 fix_session,v
10/23/2003  08:33a              530 logger.cfg,v
10/23/2003  08:33a              463 t_fix.cfg,v
                6 File(s)      3,239 bytes
```

Directory of D:\cvs\ets\pinnacle\run\cfg

```
01/01/1601  12:00a      <DIR>           .
01/01/1601  12:00a      <DIR>           ..
10/23/2003  08:34a              451 BRUTBook.cfg,v
10/23/2003  08:34a              416 BRUTExec.cfg,v
10/23/2003  08:32a              478 CustomerInterface.cfg,v
10/23/2003  08:32a            2,286 db_table_to_class_map,v
10/23/2003  08:32a              401 DBDump.cfg,v
10/23/2003  08:32a              438 ExecEngine.cfg,v
10/23/2003  08:32a              421 fix_session,v
10/23/2003  08:32a          124,686 FIX42.xml,v
10/23/2003  08:32a              402 OMSLogger.cfg,v
10/23/2003  08:32a              437 Sequencer.cfg,v
               10 File(s)    130,416 bytes
```

Directory of D:\cvs\ets\pinnacle\run\ref

```
01/01/1601  12:00a      <DIR>           .
01/01/1601  12:00a      <DIR>           ..
10/21/2003  04:04p            1,665 tbl_ref_account,v
10/16/2003  01:09p              188 tbl_ref_account.memo,v
10/21/2003  04:04p              461 tbl_ref_calendar,v
10/16/2003  01:09p              188 tbl_ref_calendar.memo,v
10/21/2003  04:04p              619 tbl_ref_customer,v
10/16/2003  01:09p              188 tbl_ref_customer.memo,v
10/21/2003  04:04p              475 tbl_ref_exchange,v
10/16/2003  01:09p              188 tbl_ref_exchange.memo,v
10/21/2003  04:04p              479 tbl_ref_exec_venue,v
10/21/2003  04:04p              595 tbl_ref_firm,v
10/16/2003  01:09p              188 tbl_ref_firm.memo,v
10/21/2003  04:04p              573 tbl_ref_market,v
10/16/2003  01:09p              188 tbl_ref_market.memo,v
10/21/2003  04:04p              429 tbl_ref_order_dest,v
10/21/2003  04:04p              679 tbl_ref_product,v
10/16/2003  01:09p              188 tbl_ref_product.memo,v
10/21/2003  04:04p              527 tbl_ref_product_at_venue,v
10/16/2003  01:09p              188 tbl_ref_product_at_venue.memo,v
10/21/2003  04:04p            1,956 tbl_ref_trader,v
10/16/2003  01:09p              188 tbl_ref_trader.memo,v
               20 File(s)     10,150 bytes
```

Directory of D:\cvs\ets\pinnacle\run\rules

```
01/01/1601  12:00a      <DIR>           .
01/01/1601  12:00a      <DIR>           ..
10/21/2003  04:04p              533 tbl_rule_commission,v
10/16/2003  01:09p              188 tbl_rule_commission.memo,v
10/21/2003  04:04p            1,421 tbl_rule_key,v
10/16/2003  01:09p              188 tbl_rule_key.memo,v
10/21/2003  04:04p              537 tbl_rule_manning,v
10/16/2003  01:09p              188 tbl_rule_manning.memo,v
```

```
                                          dir.txt
10/21/2003   04:04p                    547 tbl_rule_order_display,v
10/16/2003   01:09p                    188 tbl_rule_order_display.memo,v
10/21/2003   04:04p                    586 tbl_rule_order_entry,v
10/16/2003   01:09p                    188 tbl_rule_order_entry.memo,v
10/21/2003   04:04p                    529 tbl_rule_pos_limit,v
10/16/2003   01:09p                    188 tbl_rule_pos_limit.memo,v
10/21/2003   04:04p                    559 tbl_rule_pricing,v
10/16/2003   01:09p                    188 tbl_rule_pricing.memo,v
10/21/2003   04:04p                    465 tbl_rule_reporting,v
10/16/2003   01:09p                    188 tbl_rule_reporting.memo,v
10/21/2003   04:04p                    465 tbl_rule_short_sell,v
10/16/2003   01:09p                    188 tbl_rule_short_sell.memo,v
10/21/2003   04:04p                    567 tbl_rule_trading,v
10/16/2003   01:09p                    188 tbl_rule_trading.memo,v
               20 File(s)            8,089 bytes

Directory of D:\cvs\ets\pinnacle\sdp

01/01/1601   12:00a      <DIR>          .
01/01/1601   12:00a      <DIR>          ..
10/31/2003   04:01p      <DIR>          mdsrvr
10/31/2003   04:01p      <DIR>          msgsrvr
10/31/2003   04:01p      <DIR>          txnsrvr
08/27/2003   01:32p                  1,013 Makefile,v
08/27/2003   01:32p                  2,747 Sdp.java,v
08/27/2003   01:32p                  2,920 SdpAccess.java,v
08/27/2003   01:32p                  1,593 SdpConnection.java,v
08/27/2003   01:32p                    964 SdpHBeatEchoer.java,v
08/27/2003   01:32p                  3,190 SdpHeartbeat.java,v
08/27/2003   01:32p                    905 SdpLogoffReq.java,v
08/27/2003   01:32p                  1,044 SdpLogoffResp.java,v
08/27/2003   01:32p                  1,798 SdpLogonReq.java,v
08/27/2003   01:32p                  1,836 SdpLogonResp.java,v
08/27/2003   01:32p                    848 SdpMenuReq.java,v
08/27/2003   01:32p                  1,330 SdpMenuResp.java,v
09/16/2003   04:01p                  4,779 SdpMsg.java,v
08/27/2003   01:32p                    732 SdpMsgHandler.java,v
08/27/2003   01:32p                  1,290 SdpNackResp.java,v
08/27/2003   01:32p                  1,808 SdpSigninReq.java,v
08/27/2003   01:32p                  1,445 SdpSigninResp.java,v
08/27/2003   01:32p                  1,204 SdpSignoutReq.java,v
08/27/2003   01:32p                  1,273 SdpSignoutResp.java,v
10/23/2003   11:08a                  2,818 SdpTransport.java,v
               20 File(s)           35,537 bytes

Directory of D:\cvs\ets\pinnacle\sdp\mdsrvr

01/01/1601   12:00a      <DIR>          .
01/01/1601   12:00a      <DIR>          ..
08/27/2003   01:32p                    617 Makefile,v
09/16/2003   04:01p                 10,850 QuoteData.java,v
08/27/2003   01:32p                  2,700 QuoteRegReq.java,v
08/27/2003   01:32p                    822 QuoteRegResp.java,v
                4 File(s)           14,989 bytes

Directory of D:\cvs\ets\pinnacle\sdp\msgsrvr

01/01/1601   12:00a      <DIR>          .
01/01/1601   12:00a      <DIR>          ..
08/27/2003   01:32p                  2,272 ExecRegReq.java,v
08/27/2003   01:32p                  1,258 ExecRegResp.java,v
08/27/2003   01:32p                    645 Makefile,v
08/27/2003   01:32p                  1,140 SumoExecAck.java,v
```

```
                                           dir.txt
10/06/2003  11:42a                3,252 SumoExecution.java,v
            5 File(s)             8,567 bytes

  Directory of D:\cvs\ets\pinnacle\sdp\txnsrvr

01/01/1601  12:00a     <DIR>          .
01/01/1601  12:00a     <DIR>          ..
08/29/2003  11:24a                1,079 Makefile,v
08/29/2003  11:24a                1,006 SumoOrderCancelReq.java,v
08/29/2003  11:24a                  941 SumoOrderCancelResp.java,v
08/29/2003  11:24a                3,967 SumoOrderEntryReq.java,v
08/27/2003  01:32p                1,140 SumoOrderEntryResp.java,v
08/27/2003  01:32p                3,118 SumoQuoteUpdateReq.java,v
08/27/2003  01:32p                1,766 SumoQuoteUpdateResp.java,v
08/27/2003  01:32p                1,255 TxnSrvrDeRegReq.java,v
08/27/2003  01:32p                1,138 TxnSrvrDeRegResp.java,v
08/27/2003  01:32p                1,140 TxnSrvrErrorCodeReq.java,v
08/27/2003  01:32p                1,131 TxnSrvrErrorCodeResp.java,v
08/27/2003  01:32p                1,362 TxnSrvrMsgType.java,v
08/27/2003  01:32p                1,270 TxnSrvrRegReq.java,v
08/27/2003  01:32p                1,190 TxnSrvrRegResp.java,v
08/27/2003  01:32p                1,374 TxnSrvrReqHdr.java,v
08/27/2003  01:32p                1,596 TxnSrvrRespHdr.java,v
            16 File(s)           24,473 bytes

  Directory of D:\cvs\ets\pinnacle\sequencer

01/01/1601  12:00a     <DIR>          .
01/01/1601  12:00a     <DIR>          ..
10/23/2003  09:06a                1,424 Loggable.java,v
10/23/2003  09:06a                  419 Makefile,v
10/23/2003  09:06a                1,827 SeqProcessor.java,v
10/23/2003  09:06a                1,229 Sequencer.java,v
            4 File(s)             4,899 bytes

  Directory of D:\cvs\ets\pinnacle\test

01/01/1601  12:00a     <DIR>          .
01/01/1601  12:00a     <DIR>          ..
10/24/2003  02:15p     <DIR>          Attic
10/24/2003  02:07p                  177 testfile.java,v
10/24/2003  01:52p                  369 TestPublisher.cfg,v
10/24/2003  01:52p                3,468 TestPublisher.java,v
10/24/2003  01:52p                  360 TestSubscriber.cfg,v
10/24/2003  01:52p                1,081 TestSubscriber.java,v
            5 File(s)             5,455 bytes

  Directory of D:\cvs\ets\pinnacle\test\Attic

01/01/1601  12:00a     <DIR>          .
01/01/1601  12:00a     <DIR>          ..
10/24/2003  02:15p                  292 testfile.java,v
10/24/2003  02:12p                  289 testfile2.java,v
            2 File(s)               581 bytes

  Directory of D:\cvs\ets\slicer

01/01/1601  12:00a     <DIR>          .
01/01/1601  12:00a     <DIR>          ..
10/06/2003  11:42a               77,644 debug_output,v
08/27/2003  01:32p                  378 debug_output.lck,v
10/06/2003  11:42a                4,590 ExecListener.java,v
08/27/2003  01:32p                  592 Logger.cfg,v
```

```
                                   dir.txt
08/27/2003   01:32p              779 Makefile,v
08/27/2003   01:32p            2,386 PreOpenRiskMgmt.java,v
10/06/2003   11:42a           13,838 QuoteListener.java,v
10/06/2003   11:42a            6,846 QuoteUpdater.java,v
08/27/2003   01:32p              611 slicer.cfg,v
10/06/2003   11:42a           11,832 slicer.java,v
10/06/2003   11:42a              623 slicer_specs,v
08/27/2003   01:32p              378 slicer_specs.memo,v
08/29/2003   11:23a            6,927 SlicerSpecs.java,v
08/27/2003   01:32p            4,488 SliceTableModel.java,v
08/27/2003   01:32p           21,037 SlicingApp.java,v
10/06/2003   11:42a            4,172 StartSlicer.java,v
10/06/2003   11:42a            4,195 StatusTable.java,v
              17 File(s)     161,316 bytes

 Directory of D:\cvs\ets\sumosrvr

01/01/1601   12:00a    <DIR>          .
01/01/1601   12:00a    <DIR>          ..
10/07/2003   10:10a    <DIR>          Attic
10/06/2003   04:46p              538 Consumer.java,v
11/03/2003   07:12a            4,616 ExecListener.java,v
10/22/2003   11:57a              691 Makefile,v
10/29/2003   08:52a           13,590 OrderSender.java,v
10/06/2003   04:46p            1,023 OUCHClient.java,v
10/06/2003   04:46p              620 OUCHMsgDumper.java,v
10/06/2003   04:46p            1,441 OUCHServer.java,v
10/06/2003   04:46p              694 Producer.java,v
10/22/2003   11:57a            4,486 RefNumMap.java,v
10/06/2003   04:46p            3,789 SumoServer.java,v
10/22/2003   11:57a            4,003 t_ouchclient.java,v
10/22/2003   11:57a              665 t_respReader.java,v
10/21/2003   09:58a              603 test_data,v
              13 File(s)      36,759 bytes

 Directory of D:\cvs\ets\sumosrvr\Attic

01/01/1601   12:00a    <DIR>          .
01/01/1601   12:00a    <DIR>          ..
10/06/2003   04:47p            1,117 t_nb.java,v
10/06/2003   04:47p            2,573 t_ouchclient.java,v
10/06/2003   04:47p              563 t_queue.java,v
10/06/2003   04:47p            1,275 t_st.java,v
               4 File(s)       5,528 bytes

 Directory of D:\cvs\ets\tools

01/01/1601   12:00a    <DIR>          .
01/01/1601   12:00a    <DIR>          ..
10/31/2003   04:01p    <DIR>          db
10/31/2003   04:01p    <DIR>          entity
10/31/2003   04:01p    <DIR>          ft
10/31/2003   04:01p    <DIR>          memfile
10/31/2003   04:01p    <DIR>          msg
10/31/2003   04:01p    <DIR>          net
10/31/2003   04:01p    <DIR>          sched
10/31/2003   04:01p    <DIR>          util
08/27/2003   01:32p              558 make.bash,v
               1 File(s)         558 bytes

 Directory of D:\cvs\ets\tools\db

01/01/1601   12:00a    <DIR>          .
```

```
                                              dir.txt
01/01/1601  12:00a      <DIR>           ..
08/27/2003  01:32p                    782 build.xml,v
08/27/2003  01:32p                  4,586 Database.java,v
08/27/2003  01:32p                    694 DBCallback.java,v
08/27/2003  01:32p                    574 Makefile,v
                 4 File(s)           6,636 bytes

   Directory of D:\cvs\ets\tools\entity

01/01/1601  12:00a      <DIR>           .
01/01/1601  12:00a      <DIR>           ..
10/27/2003  09:02a                  1,566 Attribute.java,v
10/27/2003  09:50a                  7,796 Entity.java,v
10/27/2003  09:02a                 11,213 EntityCollection.java,v
08/27/2003  01:32p                    718 Makefile,v
10/30/2003  08:39a                  1,835 NameValuePair.java,v
10/22/2003  06:43a                  5,352 NVPParser.java,v
10/27/2003  09:02a                  6,825 Parser.java,v
10/30/2003  08:39a                  9,386 STRParser.java,v
10/30/2003  08:39a                  4,093 Subject.java,v
                 9 File(s)          48,784 bytes

   Directory of D:\cvs\ets\tools\ft

01/01/1601  12:00a      <DIR>           .
01/01/1601  12:00a      <DIR>           ..
10/06/2003  02:48p                  4,010 FTGroup.java,v
08/27/2003  01:32p                    738 FTGroupInterface.java,v
08/27/2003  01:32p                    938 FTMember.java,v
10/06/2003  02:48p                  1,561 HBeatGenerator.java,v
08/27/2003  01:32p                  1,090 HBeatHandler.java,v
08/27/2003  01:32p                  2,463 Heartbeat.java,v
08/27/2003  01:32p                    678 Makefile,v
                 7 File(s)          11,478 bytes

   Directory of D:\cvs\ets\tools\memfile

01/01/1601  12:00a      <DIR>           .
01/01/1601  12:00a      <DIR>           ..
10/06/2003  04:54p                    559 DefaultOnRecovery.java,v
10/06/2003  02:48p                  9,382 FileBlock.java,v
08/27/2003  01:32p                  1,892 FileCtrlBlock.java,v
08/27/2003  01:32p                  3,622 FileRecord.java,v
08/27/2003  01:32p                  1,589 Index.java,v
10/13/2003  11:33a                  7,766 IndexedMemFile.java,v
10/06/2003  02:48p                    863 Makefile,v
10/06/2003  02:48p                  7,243 MemoryMappedFile.java,v
10/06/2003  02:48p                    909 OnRecovery.java,v
08/27/2003  01:32p                  1,979 RecordHeader.java,v
08/27/2003  01:32p                  2,859 RecordTrailer.java,v
10/06/2003  04:54p                  3,934 TestMemFile.java,v
                12 File(s)          42,597 bytes

   Directory of D:\cvs\ets\tools\msg

01/01/1601  12:00a      <DIR>           .
01/01/1601  12:00a      <DIR>           ..
08/27/2003  01:32p                    690 Makefile,v
10/24/2003  01:15p                 10,120 Message.java,v
10/27/2003  03:47p                  3,246 Msglog.java,v
10/24/2003  01:15p                  2,429 OnMsglogRecovery.java,v
08/27/2003  01:32p                  1,278 SyncInfo.java,v
10/23/2003  03:53p                  1,735 SyncInfoTree.java,v
```

```
                                             dir.txt
08/27/2003   01:32p                    2,147 SyncMSg.java,v
08/27/2003   01:32p                    1,621 TestMsg.java,v
              8 File(s)               23,266 bytes

Directory of D:\cvs\ets\tools\net

01/01/1601   12:00a      <DIR>             .
01/01/1601   12:00a      <DIR>             ..
10/16/2003   01:48p                    1,180 Makefile,v
08/27/2003   01:32p                    1,032 McastTransport.java,v
10/23/2003   03:17p                    2,890 NetworkToQueue.java,v
10/27/2003   03:47p                    5,633 Publisher.java,v
10/22/2003   11:57a                    3,561 Queue.java,v
10/06/2003   02:48p                    1,330 QueueServer.java,v
10/06/2003   02:48p                    2,263 QueueToNetwork.java,v
10/27/2003   03:55p                    4,019 Recoverer.java,v
08/27/2003   01:32p                    1,548 RvMsgHandler.java,v
09/16/2003   04:03p                    3,857 RvTransport.java,v
10/24/2003   01:15p                    8,720 Subscriber.java,v
08/27/2003   01:32p                      710 SubscriberInterface.java,v
09/16/2003   04:03p                    2,017 TCPListener.java,v
10/13/2003   11:33a                    6,309 TCPTransport.java,v
10/24/2003   01:15p                    1,415 Transport.java,v
10/24/2003   01:15p                    7,992 UDPTransport.java,v
             16 File(s)               54,476 bytes

Directory of D:\cvs\ets\tools\sched

01/01/1601   12:00a      <DIR>             .
01/01/1601   12:00a      <DIR>             ..
08/27/2003   01:32p                    1,070 EventDispatcher.java,v
08/27/2003   01:32p                      667 Makefile,v
08/27/2003   01:32p                      445 sched.cfg,v
08/27/2003   01:32p                    1,397 ScheduleListener.java,v
10/06/2003   02:48p                    1,572 Scheduler.java,v
08/27/2003   01:32p                    2,410 TimedEvent.java,v
08/27/2003   01:32p                    1,032 TimedEventHandler.java,v
              7 File(s)                8,593 bytes

Directory of D:\cvs\ets\tools\util

01/01/1601   12:00a      <DIR>             .
01/01/1601   12:00a      <DIR>             ..
10/06/2003   02:48p                    2,677 DateTime.java,v
08/27/2003   01:32p                      999 EnumValueSet.java,v
08/27/2003   01:32p                    1,064 Formatters.java,v
08/27/2003   01:32p                    1,761 LogFormatter.java,v
08/27/2003   01:32p                      756 Makefile,v
08/27/2003   01:32p                    1,465 OMSLogger.java,v
08/27/2003   01:32p                    1,962 ProgProperties.java,v
08/29/2003   11:23a                    1,737 StringToHashMap.java,v
08/27/2003   01:32p                    1,173 StringToList.java,v
08/27/2003   01:32p                    1,051 Timestamp.java,v
             10 File(s)               14,645 bytes

Directory of D:\cvs\prule

01/01/1601   12:00a      <DIR>             .
01/01/1601   12:00a      <DIR>             ..
10/31/2003   04:08p      <DIR>             src
              0 File(s)                    0 bytes

Directory of D:\cvs\prule\src
```

```
                                     dir.txt
01/01/1601   12:00a        <DIR>             .
01/01/1601   12:00a        <DIR>             ..
10/31/2003   04:08p        <DIR>             com
              0 File(s)                  0 bytes

   Directory of D:\cvs\prule\src\com

01/01/1601   12:00a        <DIR>             .
01/01/1601   12:00a        <DIR>             ..
10/31/2003   04:08p        <DIR>             crown
              0 File(s)                  0 bytes

   Directory of D:\cvs\prule\src\com\crown

01/01/1601   12:00a        <DIR>             .
01/01/1601   12:00a        <DIR>             ..
10/31/2003   04:08p        <DIR>             pinnacle
              0 File(s)                  0 bytes

   Directory of D:\cvs\prule\src\com\crown\pinnacle

01/01/1601   12:00a        <DIR>             .
01/01/1601   12:00a        <DIR>             ..
10/31/2003   04:08p        <DIR>             common
10/31/2003   04:08p        <DIR>             data
10/31/2003   04:08p        <DIR>             gui
10/31/2003   04:08p        <DIR>             util
              0 File(s)                  0 bytes

   Directory of D:\cvs\prule\src\com\crown\pinnacle\common

01/01/1601   12:00a        <DIR>             .
01/01/1601   12:00a        <DIR>             ..
10/16/2003   07:56a                 17,854 Constants.java,v
              1 File(s)             17,854 bytes

   Directory of D:\cvs\prule\src\com\crown\pinnacle\data

01/01/1601   12:00a        <DIR>             .
01/01/1601   12:00a        <DIR>             ..
10/31/2003   04:08p        <DIR>             common
10/31/2003   04:08p        <DIR>             refs
10/31/2003   04:08p        <DIR>             rules
              0 File(s)                  0 bytes

   Directory of D:\cvs\prule\src\com\crown\pinnacle\data\common

01/01/1601   12:00a        <DIR>             .
01/01/1601   12:00a        <DIR>             ..
10/16/2003   07:46a                  1,960 VersionInfo.java,v
              1 File(s)              1,960 bytes

   Directory of D:\cvs\prule\src\com\crown\pinnacle\data\refs

01/01/1601   12:00a        <DIR>             .
01/01/1601   12:00a        <DIR>             ..
10/16/2003   07:46a                  2,868 Account.java,v
10/16/2003   07:46a                  2,182 AcctCust.java,v
10/16/2003   07:46a                  3,234 CustCoverage.java,v
10/16/2003   07:46a                  7,314 CustIDMapping.java,v
10/16/2003   07:46a                  6,839 Customer.java,v
10/16/2003   07:46a                  3,214 CustTradingAcct.java,v
                                     Page 71
```

```
                                                    dir.txt
10/16/2003   07:46a                    624  IRefData.java,v
10/16/2003   07:46a                  3,588  RefDataBase.java,v
10/16/2003   07:46a                  5,794  RefDataCache.java,v
10/16/2003   07:46a                  3,509  Trader.java,v
             10 File(s)             39,166 bytes
```

Directory of D:\cvs\prule\src\com\crown\pinnacle\data\rules

```
01/01/1601   12:00a     <DIR>              .
01/01/1601   12:00a     <DIR>              ..
10/16/2003   07:46a                  4,692  AutoExSize.java,v
10/16/2003   07:46a                  4,416  CommissionEnt.java,v
10/16/2003   07:46a                  5,144  CommissionRuleData.java,v
10/16/2003   07:46a                    996  DelvInstrs.java,v
10/16/2003   07:46a                    996  ExecInstrs.java,v
10/16/2003   07:46a                    986  ExecOpts.java,v
10/16/2003   07:46a                  1,003  HandlInstrs.java,v
10/16/2003   07:46a                  2,852  Instrs.java,v
10/16/2003   07:46a                    622  IRule.java,v
10/16/2003   07:46a                    657  IRuleData.java,v
10/16/2003   07:46a                    901  PriceInstrs.java,v
10/16/2003   07:46a                    893  QtyInstrs.java,v
10/16/2003   07:46a                  3,665  RuleAssociation.java,v
10/16/2003   07:46a                  2,459  RuleBearer.java,v
10/16/2003   07:46a                  7,798  RuleDataCache.java,v
10/16/2003   07:46a                    897  TimeInstrs.java,v
10/15/2003   02:48p                  7,526  TradeRule.java,v
10/16/2003   07:46a                 11,591  TradeRuleData.java,v
             18 File(s)             58,094 bytes
```

Directory of D:\cvs\prule\src\com\crown\pinnacle\gui

```
01/01/1601   12:00a     <DIR>              .
01/01/1601   12:00a     <DIR>              ..
10/31/2003   04:08p     <DIR>              common
10/31/2003   04:08p     <DIR>              interfaces
10/31/2003   04:08p     <DIR>              order
10/31/2003   04:08p     <DIR>              refs
10/31/2003   04:08p     <DIR>              rules
10/31/2003   04:08p     <DIR>              table
10/16/2003   07:46a                  4,083  Configuration.java,v
10/16/2003   07:46a                  5,082  PinnacleRuleMgr.java,v
              2 File(s)              9,165 bytes
```

Directory of D:\cvs\prule\src\com\crown\pinnacle\gui\common

```
01/01/1601   12:00a     <DIR>              .
01/01/1601   12:00a     <DIR>              ..
10/16/2003   07:46a                    734  AEditPanel.java,v
10/16/2003   07:46a                  2,700  ASwitchBoard.java,v
10/16/2003   07:46a                  1,532  CrownCheckBox.java,v
10/16/2003   07:46a                  2,949  CrownFloatField.java,v
10/16/2003   07:46a                  2,975  CrownIntField.java,v
10/16/2003   07:46a                  9,441  CrownTimeField.java,v
10/16/2003   07:46a                  2,873  DetachableTabbedPane.java,v
10/16/2003   07:46a                  1,393  GUIConstants.java,v
10/16/2003   07:46a                  1,499  GUIUtil.java,v
10/16/2003   07:46a                  1,600  TabablePanelFrame.java,v
10/16/2003   07:46a                  4,927  ToggleCheckBoxListener.java,v
             11 File(s)             32,623 bytes
```

Directory of D:\cvs\prule\src\com\crown\pinnacle\gui\interfaces

```
                                                    dir.txt
01/01/1601   12:00a      <DIR>              .
01/01/1601   12:00a      <DIR>              ..
10/16/2003   07:46a                   604  IDetachable.java,v
10/16/2003   07:46a                   728  IRefDataChangeIssuer.java,v
10/16/2003   07:46a                   735  IRefDataChangeListener.java,v
10/16/2003   07:46a                   735  IRefLinkChangeListener.java,v
10/16/2003   07:46a                   722  IRowSelectionIssuer.java,v
10/16/2003   07:46a                   731  IRowSelectionListener.java,v
10/16/2003   07:46a                   727  IRuleChangeListener.java,v
10/16/2003   07:46a                   731  IRuleDataChangeIssuer.java,v
10/16/2003   07:46a                   739  IRuleDataChangeListener.java,v
10/16/2003   07:46a                   671  ITypeListener.java,v
10/16/2003   07:46a                 1,321  TabablePanel.java,v
                 11 File(s)         8,444 bytes

       Directory of D:\cvs\prule\src\com\crown\pinnacle\gui\order

01/01/1601   12:00a      <DIR>              .
01/01/1601   12:00a      <DIR>              ..
10/16/2003   07:46a                 1,056  OrderGUIConstants.java,v
10/16/2003   07:46a                 1,710  OrderManagerPanel.java,v
                  2 File(s)         2,766 bytes

       Directory of D:\cvs\prule\src\com\crown\pinnacle\gui\refs

01/01/1601   12:00a      <DIR>              .
01/01/1601   12:00a      <DIR>              ..
10/16/2003   07:46a                24,914  AccountEditPanel.java,v
10/16/2003   07:46a                18,496  AccountProcessor.java,v
10/16/2003   07:46a                 4,884  AccountsPanel.java,v
10/16/2003   07:46a                15,875  AccountTableModel.java,v
10/16/2003   07:46a                 9,051  AcctCustLinkPanel.java,v
10/16/2003   07:46a                 4,460  AcctCustsPanel.java,v
10/16/2003   07:46a                 6,635  AcctCustTableModel.java,v
10/16/2003   07:46a                 1,790  ARefEditPanel.java,v
10/16/2003   07:46a                37,587  CustomerEditPanel.java,v
10/16/2003   07:46a                31,249  CustomerProcessor.java,v
10/16/2003   07:46a                 4,006  CustomersPanel.java,v
10/16/2003   07:46a                15,082  CustomerTableModel.java,v
10/15/2003   02:48p                   722  IRefDataChangeIssuer.java,v
10/15/2003   02:48p                   729  IRefDataChangeListener.java,v
10/15/2003   02:48p                   729  IRefLinkChangeListener.java,v
10/16/2003   07:46a                 3,055  RefEditSwitchBoard.java,v
10/16/2003   07:46a                 6,226  RefManagerPanel.java,v
10/16/2003   07:46a                 1,635  RefProcessors.java,v
10/16/2003   07:46a                 1,680  RefsDisplaySwitchBoard.java,v
10/16/2003   07:46a                26,537  TraderEditPanel.java,v
10/16/2003   07:46a                12,715  TraderProcessor.java,v
10/16/2003   07:46a                 3,953  TradersPanel.java,v
10/16/2003   07:46a                20,236  TraderTableModel.java,v
                 23 File(s)       252,246 bytes

       Directory of D:\cvs\prule\src\com\crown\pinnacle\gui\rules

01/01/1601   12:00a      <DIR>              .
01/01/1601   12:00a      <DIR>              ..
10/16/2003   07:46a                 6,467  AssociatedRulesPanel.java,v
10/15/2003   02:48p                 2,148  AutoExSizeEditor.java,v
10/15/2003   02:48p                 1,800  AutoExSizeRenderer.java,v
10/16/2003   07:46a                17,797  CommissionRuleDetailTableModel.java,v
10/16/2003   07:46a                31,279  CommissionRuleEditPanel.java,v
10/16/2003   07:46a                21,692  CommissionRuleProcessor.java,v
10/16/2003   07:46a                 5,494  CommissionRulesPanel.java,v
```

```
                                   dir.txt
10/16/2003   07:46a              14,345 CustRuleControlPanel.java,v
10/16/2003   07:46a               1,673 CustRulesSwitchBoard.java,v
10/15/2003   02:48p                 722 IRuleChangeListener.java,v
10/15/2003   02:48p                 726 IRuleDataChangeIssuer.java,v
10/15/2003   02:48p                 734 IRuleDataChangeListener.java,v
10/16/2003   07:46a               3,979 OrderRule.java,v
10/16/2003   07:46a               3,589 OrderRuleEditPanel.java,v
10/16/2003   07:46a               2,306 OrderRulesPanel.java,v
10/16/2003   07:46a              10,359 OrderRuleTableModel.java,v
10/16/2003   07:46a              11,672 RuleAssocProcessor.java,v
10/16/2003   07:46a               2,327 RuleEditSwitchBoard.java,v
10/16/2003   07:46a               7,784 RuleManagerPanel.java,v
10/16/2003   07:46a               1,662 RuleProcessors.java,v
10/16/2003   07:46a              34,860 RuleTableModel.java,v
10/16/2003   07:46a              34,508 TradeRuleDetailTableModel.java,v
10/16/2003   07:46a              48,510 TradeRuleEditPanel.java,v
10/16/2003   07:46a              24,712 TradeRuleProcessor.java,v
10/16/2003   07:46a               5,681 TradeRulesPanel.java,v
10/15/2003   02:48p              33,881 TradeRuleTableModel.java,v
               26 File(s)        330,707 bytes

 Directory of D:\cvs\prule\src\com\crown\pinnacle\gui\table

01/01/1601   12:00a       <DIR>          .
01/01/1601   12:00a       <DIR>          ..
10/16/2003   07:46a               7,488 ACrownTableSorter.java,v
10/16/2003   07:46a                 872 Cols.java,v
10/16/2003   07:46a                 585 ColumnInterface.java,v
10/16/2003   07:46a               2,014 CrownComboBoxEditor.java,v
10/16/2003   07:46a               1,813 CrownComboBoxRenderer.java,v
10/16/2003   07:46a               1,498 CrownDefaultTableSortor.java,v
10/16/2003   07:46a               2,877 CrownTable.java,v
10/16/2003   07:46a              15,625 CrownTableModel.java,v
10/16/2003   07:46a               1,490 CrownTHMouseListener.java,v
10/16/2003   07:46a               1,757 CrownTMDecorator.java,v
               10 File(s)         36,019 bytes

 Directory of D:\cvs\prule\src\com\crown\pinnacle\util

01/01/1601   12:00a       <DIR>          .
01/01/1601   12:00a       <DIR>          ..
10/31/2003   04:08p       <DIR>          db
10/16/2003   07:46a               3,838 PinnacleUtil.java,v
                1 File(s)          3,838 bytes

 Directory of D:\cvs\prule\src\com\crown\pinnacle\util\db

01/01/1601   12:00a       <DIR>          .
01/01/1601   12:00a       <DIR>          ..
10/16/2003   07:46a               5,244 ConnectionMgr.java,v
10/16/2003   07:46a               3,184 DBConfiguration.java,v
10/16/2003   07:46a               3,152 DBUtil.java,v
10/16/2003   07:46a                 607 IResultSetProcessor.java,v
10/16/2003   07:46a                 601 IUpdateProcessor.java,v
10/16/2003   07:46a                 717 NullSQLType.java,v
10/16/2003   07:46a               2,707 SQLExecuter.java,v
                7 File(s)         16,212 bytes

 Directory of D:\cvs\qfix

01/01/1601   12:00a       <DIR>          .
01/01/1601   12:00a       <DIR>          ..
10/24/2003   02:03p       <DIR>          autom4te-2.53.cache
```

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```
                                               dir.txt
10/24/2003   02:03p    <DIR>          bin
10/24/2003   02:03p    <DIR>          cfg
10/24/2003   02:03p    <DIR>          CPPTest
10/24/2003   02:03p    <DIR>          doc
10/24/2003   02:03p    <DIR>          examples
10/24/2003   02:03p    <DIR>          lib
10/24/2003   02:03p    <DIR>          spec
09/19/2003   10:44a    <DIR>          src
09/19/2003   10:44a    <DIR>          templates
09/19/2003   10:44a    <DIR>          test
09/19/2003   10:44a          703 .cvsignore,v
09/19/2003   10:44a        5,046 at_client.dsp,v
09/19/2003   10:44a        4,630 at_client.vcproj,v
09/19/2003   10:44a        5,152 at_server.dsp,v
09/19/2003   10:44a        4,650 at_server.vcproj,v
09/19/2003   10:44a          440 AUTHORS,v
09/19/2003   10:44a        2,563 autostyle.bat,v
09/19/2003   10:44a          554 bootstrap,v
09/19/2003   10:44a          703 build_java.bat,v
09/19/2003   10:44a        2,153 build_vc6.bat,v
09/19/2003   10:44a          971 build_vc7.bat,v
09/19/2003   10:44a       38,914 config.guess,v
09/19/2003   10:44a        3,098 config.h.in,v
09/19/2003   10:44a       28,626 config.sub,v
09/19/2003   10:44a      326,139 configure,v
09/19/2003   10:44a        8,246 configure.in,v
09/19/2003   10:44a          483 CONTRIBUTORS,v
09/19/2003   10:44a       12,544 depcomp,v
09/19/2003   10:44a        7,949 Doxyfile,v
09/19/2003   10:44a          477 INSTALL,v
09/19/2003   10:44a        6,004 install-sh,v
09/19/2003   10:44a        2,732 LICENSE.h,v
09/19/2003   10:44a        2,727 LICENSE.rb,v
09/19/2003   10:44a        2,751 LICENSE.xml,v
09/19/2003   10:44a        2,688 LICENSE.xsl,v
09/19/2003   10:44a       98,154 ltconfig,v
09/19/2003   10:44a      141,835 ltmain.sh,v
09/19/2003   10:44a          443 Makefile.am,v
09/19/2003   10:44a       14,490 Makefile.in,v
09/19/2003   10:44a        6,685 missing,v
09/19/2003   10:44a        1,132 mkinstalldirs,v
09/19/2003   10:44a       13,070 NEWS,v
09/19/2003   10:44a        4,951 pt.dsp,v
09/19/2003   10:44a        4,503 pt.vcproj,v
09/19/2003   10:44a        2,064 quickfix.dsw,v
09/19/2003   10:44a        3,754 quickfix.sln,v
09/19/2003   10:44a       51,578 quickfix_lib.dsp,v
09/19/2003   10:44a       46,855 quickfix_lib.vcproj,v
09/19/2003   10:44a          423 stamp-h1,v
09/19/2003   10:44a          735 templategen.rb,v
09/19/2003   10:44a          622 testcasegen.sh,v
09/19/2003   10:44a          557 THANKS,v
09/19/2003   10:44a        8,442 ut.dsp,v
09/19/2003   10:44a       22,319 ut.vcproj,v
                44 File(s)       893,555 bytes

Directory of D:\cvs\qfix\CPPTest

01/01/1601   12:00a    <DIR>          .
01/01/1601   12:00a    <DIR>          ..
09/19/2003   10:44a          410 .cvsignore,v
09/19/2003   10:44a        2,920 Exception.h,v
09/19/2003   10:44a          538 Makefile.am,v
```

```
                                        dir.txt
09/19/2003    10:44a                 6,668 Makefile.in,v
09/19/2003    10:44a                 3,758 Test.h,v
09/19/2003    10:44a                 1,642 TestCase.h,v
09/19/2003    10:44a                   780 TestDisplay.h,v
09/19/2003    10:44a                 2,416 TestStandardOutputDisplay.h,v
09/19/2003    10:44a                 1,781 TestSuite.h,v
09/19/2003    10:44a                 3,515 TestXMLFileOutputDisplay.h,v
              10 File(s)            24,428 bytes

   Directory of D:\cvs\qfix\autom4te-2.53.cache

01/01/1601    12:00a    <DIR>             .
01/01/1601    12:00a    <DIR>             ..
09/19/2003    10:44a               326,831 output.0,v
09/19/2003    10:44a                 4,473 requests,v
09/19/2003    10:44a                20,898 traces.0,v
               3 File(s)           352,202 bytes

   Directory of D:\cvs\qfix\bin

01/01/1601    12:00a    <DIR>             .
01/01/1601    12:00a    <DIR>             ..
10/24/2003    02:03p    <DIR>             cfg
09/19/2003    10:44a                   443 .cvsignore,v
09/19/2003    10:44a                   413 Makefile.am,v
09/19/2003    10:44a                10,914 Makefile.in,v
09/19/2003    10:44a                   538 run_banzai,v
09/19/2003    10:44a                   510 run_banzai.bat,v
09/19/2003    10:44a                   437 run_executor_cpp,v
09/19/2003    10:44a                   430 run_executor_cpp.bat,v
09/19/2003    10:44a                   436 run_executor_cpp_debug.bat,v
09/19/2003    10:44a                   433 run_executor_csharp.bat,v
09/19/2003    10:44a                   542 run_executor_java,v
09/19/2003    10:44a                   515 run_executor_java.bat,v
09/19/2003    10:44a                   441 run_ordermatch,v
09/19/2003    10:44a                   430 run_ordermatch.bat,v
09/19/2003    10:44a                   436 run_ordermatch_debug.bat,v
09/19/2003    10:44a                   443 run_tradeclient,v
09/19/2003    10:44a                   432 run_tradeclient.bat,v
09/19/2003    10:44a                   438 run_tradeclient_debug.bat,v
              17 File(s)            ·18,231 bytes

   Directory of D:\cvs\qfix\bin\cfg

01/01/1601    12:00a    <DIR>             .
01/01/1601    12:00a    <DIR>             ..
09/19/2003    10:44a                   408 .cvsignore,v
09/19/2003    10:44a                 1,208 banzai.cfg,v
09/19/2003    10:44a                 1,331 executor.cfg,v
09/19/2003    10:44a                   418 Makefile.am,v
09/19/2003    10:44a                 6,554 Makefile.in,v
09/19/2003    10:44a                   706 ordermatch.cfg,v
09/19/2003    10:44a                   647 tradeclient.cfg,v
               7 File(s)            11,272 bytes

   Directory of D:\cvs\qfix\cfg

01/01/1601    12:00a    <DIR>             .
01/01/1601    12:00a    <DIR>             ..
09/19/2003    10:44a                   408 .cvsignore,v
09/19/2003    10:44a                   755 arca_certification.cfg,v
09/19/2003    10:44a                   418 Makefile.am,v
09/19/2003    10:44a                 6,540 Makefile.in,v
```

```
                                        dir.txt
09/19/2003  10:44a                      820 openfix_certification.cfg,v
              5 File(s)                8,941 bytes

Directory of D:\cvs\qfix\doc

01/01/1601  12:00a       <DIR>          .
01/01/1601  12:00a       <DIR>          ..
10/24/2003  02:03p       <DIR>          html
09/19/2003  10:44a           410 .cvsignore,v
09/19/2003  10:44a           414 Makefile.am,v
09/19/2003  10:44a        10,915 Makefile.in,v
              3 File(s)         11,739 bytes

Directory of D:\cvs\qfix\doc\html

01/01/1601  12:00a       <DIR>          .
01/01/1601  12:00a       <DIR>          ..
10/24/2003  02:03p       <DIR>          csharp
10/24/2003  02:03p       <DIR>          images
10/24/2003  02:03p       <DIR>          java
09/19/2003  10:44a           696 .cvsignore,v
09/19/2003  10:44a         1,970 about.html,v
09/19/2003  10:44a         4,647 acceptance_tests.html,v
09/19/2003  10:44a         7,639 application.html,v
09/19/2003  10:44a        13,854 configuration.html,v
09/19/2003  10:44a         2,202 doxygen.css,v
09/19/2003  10:44a         1,586 examples.html,v
09/19/2003  10:44a         7,380 FAQ.html,v
09/19/2003  10:44a         1,586 header.html,v
09/19/2003  10:44a        15,229 install.html,v
09/19/2003  10:44a         3,007 installdox,v
09/19/2003  10:44a         2,881 license.html,v
09/19/2003  10:44a           414 Makefile.am,v
09/19/2003  10:44a         6,552 Makefile.in,v
09/19/2003  10:44a         7,709 project.html,v
09/19/2003  10:44a         1,623 quickfix.css,v
09/19/2003  10:44a         6,172 receiving_messages.html,v
09/19/2003  10:44a         3,224 repeating_groups.html,v
09/19/2003  10:44a         5,177 sending_messages.html,v
09/19/2003  10:44a           746 trailer.html,v
09/19/2003  10:44a         2,881 unit_tests.html,v
09/19/2003  10:44a         3,263 user_defined.html,v
09/19/2003  10:44a         3,517 xmlschema.html,v
             23 File(s)        103,955 bytes

Directory of D:\cvs\qfix\doc\html\csharp

01/01/1601  12:00a       <DIR>          .
01/01/1601  12:00a       <DIR>          ..
09/19/2003  10:44a           910 application_1.html,v
09/19/2003  10:44a         1,135 application_2.html,v
09/19/2003  10:44a           581 receiving_messages_1.html,v
09/19/2003  10:44a           624 receiving_messages_2.html,v
09/19/2003  10:44a         1,118 receiving_messages_3.html,v
09/19/2003  10:44a           546 receiving_messages_4.html,v
09/19/2003  10:44a         1,073 repeating_groups_1.html,v
09/19/2003  10:44a         1,095 repeating_groups_2.html,v
09/19/2003  10:44a           764 sending_messages_1.html,v
09/19/2003  10:44a         1,230 sending_messages_2.html,v
09/19/2003  10:44a           978 sending_messages_3.html,v
09/19/2003  10:44a           704 sending_messages_4.html,v
09/19/2003  10:44a           530 user_defined_1.html,v
09/19/2003  10:44a           758 user_defined_2.html,v
```

```
                                         dir.txt
09/19/2003  10:44a                   651 user_defined_3.html,v
            15 File(s)            12,697 bytes

   Directory of D:\cvs\qfix\doc\html\images

01/01/1601  12:00a      <DIR>          .
01/01/1601  12:00a      <DIR>          ..
09/19/2003  10:44a                 1,241 aboutButtonOut.gif,v
09/19/2003  10:44a                 1,238 aboutButtonOver.gif,v
09/19/2003  10:44a                 1,221 developersButtonOut.gif,v
09/19/2003  10:44a                 1,218 developersButtonOver.gif,v
09/19/2003  10:44a                 1,239 documentationButtonOut.gif,v
09/19/2003  10:44a                 1,236 documentationButtonOver.gif,v
09/19/2003  10:44a                 1,294 downloadButtonOut.gif,v
09/19/2003  10:44a                 1,301 downloadButtonOver.gif,v
09/19/2003  10:44a                   446 outsideBottom.gif,v
09/19/2003  10:44a                   521 outsideBottomLeft.gif,v
09/19/2003  10:44a                   524 outsideBottomRight.gif,v
09/19/2003  10:44a                   451 outsideLeft.gif,v
09/19/2003  10:44a                   444 outsideRight.gif,v
09/19/2003  10:44a                   446 outsideTop.gif,v
09/19/2003  10:44a                   521 outsideTopLeft.gif,v
09/19/2003  10:44a                   519 outsideTopRight.gif,v
09/19/2003  10:44a                 2,711 QuickFIX.jpg,v
09/19/2003  10:44a                 1,239 tagline.jpg,v
09/19/2003  10:44a                   456 titleTabLeft.gif,v
09/19/2003  10:44a                   479 titleTabRight.gif,v
09/19/2003  10:44a                   446 titleTabTop.gif,v
            21 File(s)            19,191 bytes

   Directory of D:\cvs\qfix\doc\html\java

01/01/1601  12:00a      <DIR>          .
01/01/1601  12:00a      <DIR>          ..
09/19/2003  10:44a                 1,021 application_1.html,v
09/19/2003  10:44a                 1,149 application_2.html,v
09/19/2003  10:44a                   655 receiving_messages_1.html,v
09/19/2003  10:44a                   728 receiving_messages_2.html,v
09/19/2003  10:44a                 1,344 receiving_messages_3.html,v
09/19/2003  10:44a                   590 receiving_messages_4.html,v
09/19/2003  10:44a                 1,047 repeating_groups_1.html,v
09/19/2003  10:44a                 1,046 repeating_groups_2.html,v
09/19/2003  10:44a                   754 sending_messages_1.html,v
09/19/2003  10:44a                 1,237 sending_messages_2.html,v
09/19/2003  10:44a                 1,015 sending_messages_3.html,v
09/19/2003  10:44a                   724 sending_messages_4.html,v
09/19/2003  10:44a                   530 user_defined_1.html,v
09/19/2003  10:44a                   842 user_defined_2.html,v
09/19/2003  10:44a                   651 user_defined_3.html,v
            15 File(s)            13,333 bytes

   Directory of D:\cvs\qfix\examples

01/01/1601  12:00a      <DIR>          .
01/01/1601  12:00a      <DIR>          ..
10/24/2003  02:03p      <DIR>          executor
10/24/2003  02:03p      <DIR>          ordermatch
10/24/2003  02:03p      <DIR>          tradeclient
10/24/2003  02:03p      <DIR>          tradeclientgui
09/19/2003  10:44a                   514 .cvsignore,v
09/19/2003  10:44a                   554 bootstrap,v
09/19/2003  10:44a                   903 config.h.in,v
09/19/2003  10:44a               212,289 configure,v
```

```
                                    dir.txt
09/19/2003   10:44a                3,002 configure.in,v
09/19/2003   10:44a                1,611 examples.dsw,v
09/19/2003   10:44a                2,644 examples.sln,v
09/19/2003   10:44a                  528 Makefile.am,v
09/19/2003   10:44a               11,975 Makefile.in,v
09/19/2003   10:44a                  410 stamp-h.in,v
                10 File(s)       234,430 bytes

  Directory of D:\cvs\qfix\examples\executor

01/01/1601   12:00a    <DIR>          .
01/01/1601   12:00a    <DIR>          ..
10/24/2003   02:03p    <DIR>          C++
10/24/2003   02:03p    <DIR>          csharp
10/24/2003   02:03p    <DIR>          java
09/19/2003   10:44a                  471 .cvsignore,v
09/19/2003   10:44a                5,068 executor_cpp.dsp,v
09/19/2003   10:44a                  418 Makefile.am,v
09/19/2003   10:44a                9,435 Makefile.in,v
                 4 File(s)        15,392 bytes

  Directory of D:\cvs\qfix\examples\executor\C++

01/01/1601   12:00a    <DIR>          .
01/01/1601   12:00a    <DIR>          ..
09/19/2003   10:44a                  455 .cvsignore,v
09/19/2003   10:44a                8,466 Application.cpp,v
09/19/2003   10:44a                4,414 Application.h,v
09/19/2003   10:44a                3,817 executor.cpp,v
09/19/2003   10:44a                4,396 executor_cpp.vcproj,v
09/19/2003   10:44a                  642 Makefile.am,v
09/19/2003   10:44a               10,706 Makefile.in,v
                 7 File(s)        32,896 bytes

  Directory of D:\cvs\qfix\examples\executor\csharp

01/01/1601   12:00a    <DIR>          .
01/01/1601   12:00a    <DIR>          ..
09/19/2003   10:44a                  414 .cvsignore,v
09/19/2003   10:44a                1,480 App.ico,v
09/19/2003   10:44a                9,176 Application.cs,v
09/19/2003   10:44a                2,806 AssemblyInfo.cs,v
09/19/2003   10:44a                3,646 Executor.cs,v
09/19/2003   10:44a                4,407 executor_csharp.csproj,v
                 6 File(s)        21,929 bytes

  Directory of D:\cvs\qfix\examples\executor\java

01/01/1601   12:00a    <DIR>          .
01/01/1601   12:00a    <DIR>          ..
10/24/2003   02:03p    <DIR>          src
09/19/2003   10:44a                  415 .cvsignore,v
09/19/2003   10:44a                  628 build.bat,v
09/19/2003   10:44a                  695 build.sh,v
09/19/2003   10:44a                1,464 build.xml,v
09/19/2003   10:44a                  468 Makefile.am,v
09/19/2003   10:44a                9,538 Makefile.in,v
                 6 File(s)        13,208 bytes

  Directory of D:\cvs\qfix\examples\executor\java\src

01/01/1601   12:00a    <DIR>          .
01/01/1601   12:00a    <DIR>          ..
```

```
                                         dir.txt
09/19/2003   10:44a              16,785 .Application.java.swp,v
09/19/2003   10:44a                 408 .cvsignore,v
09/19/2003   10:44a               5,490 Application.java,v
09/19/2003   10:44a               3,967 Executor.java,v
09/19/2003   10:44a                 419 Makefile.am,v
09/19/2003   10:44a               5,507 Makefile.in,v
                 6 File(s)        32,576 bytes

   Directory of D:\cvs\qfix\examples\ordermatch

01/01/1601   12:00a    <DIR>           .
01/01/1601   12:00a    <DIR>           ..
10/24/2003   02:03p    <DIR>           test
09/19/2003   10:44a                 473 .cvsignore,v
09/19/2003   10:44a               9,209 Application.cpp,v
09/19/2003   10:44a               5,358 Application.h,v
09/19/2003   10:44a               3,243 IDGenerator.h,v
09/19/2003   10:44a                 754 Makefile.am,v
09/19/2003  ·10:44a·             13,989 Makefile.in,v
09/19/2003   10:44a               5,660 Market.cpp,v
09/19/2003   10:44a               3,394 Market.h,v
09/19/2003   10:44a               5,481 Order.h,v
09/19/2003   10:44a               3,989 ordermatch.cpp,v
09/19/2003   10:44a               5,326 ordermatch.dsp,v
09/19/2003   10:44a               4,658 ordermatch.vcproj,v
09/19/2003   10:44a               4,506 OrderMatcher.h,v
                13 File(s)        66,040 bytes

   Directory of D:\cvs\qfix\examples\ordermatch\test

01/01/1601   12:00a    <DIR>           .
01/01/1601   12:00a    <DIR>           ..
09/19/2003   10:44a                 467 .cvsignore,v
09/19/2003   10:44a                 632 Makefile.am,v
09/19/2003   10:44a              10,811 Makefile.in,v
09/19/2003   10:44a               5,662 Market.cpp,v
09/19/2003   10:44a               3,188 ordermatch_ut.cpp,v
09/19/2003   10:44a               5,145 ordermatch_ut.dsp,v
09/19/2003   10:44a               4,362 ordermatch_ut.vcproj,v
09/19/2003   10:44a              13,288 OrderMatcherTestCase.cpp,v
09/19/2003   10:44a               3,990 OrderMatcherTestCase.h,v
09/19/2003   10:44a               3,179 TestSuite.h,v
                10 File(s)        50,724 bytes

   Directory of D:\cvs\qfix\examples\tradeclient

01/01/1601   12:00a    <DIR>           .
01/01/1601   12:00a    <DIR>           ..
09/19/2003   10:44a                 460 .cvsignore,v
09/19/2003   10:44a              15,152 Application.cpp,v
09/19/2003   10:44a               5,409 Application.h,v
09/19/2003   10:44a                 655 Makefile.am,v
09/19/2003   10:44a              10,753 Makefile.in,v
09/19/2003   10:44a               3,735 tradeclient.cpp,v
09/19/2003   10:44a               5,039 tradeclient.dsp,v
09/19/2003   10:44a               4,374 tradeclient.vcproj,v
                 8 File(s)        45,577 bytes

   Directory of D:\cvs\qfix\examples\tradeclientgui

01/01/1601   12:00a    <DIR>           .
01/01/1601   12:00a    <DIR>           ..
10/24/2003   02:03p    <DIR>           banzai
```

```
                                        dir.txt
09/19/2003  10:44a              410 .cvsignore,v
09/19/2003  10:44a              416 Makefile.am,v
09/19/2003  10:44a            9,451 Makefile.in,v
             3 File(s)        10,277 bytes

    Directory of D:\cvs\qfix\examples\tradeclientgui\banzai

01/01/1601  12:00a   <DIR>          .
01/01/1601  12:00a   <DIR>          ..
10/24/2003  02:03p   <DIR>          src
10/24/2003  02:03p   <DIR>          test
09/19/2003  10:44a              415 .cvsignore,v
09/19/2003  10:44a              636 build.bat,v
09/19/2003  10:44a              695 build.sh,v
09/19/2003  10:44a            1,522 build.xml,v
09/19/2003  10:44a              498 Makefile.am,v
09/19/2003  10:44a            9,592 Makefile.in,v
09/19/2003  10:44a              600 test.bat,v
             7 File(s)        13,958 bytes

    Directory of D:\cvs\qfix\examples\tradeclientgui\banzai\src

01/01/1601  12:00a   <DIR>          .
01/01/1601  12:00a   <DIR>          ..
10/24/2003  02:03p   <DIR>          org
09/19/2003  10:44a              410 .cvsignore,v
09/19/2003  10:44a            5,031 Banzai.java,v
09/19/2003  10:44a              433 Makefile.am,v
09/19/2003  10:44a            9,513 Makefile.in,v
             4 File(s)        15,387 bytes

    Directory of D:\cvs\qfix\examples\tradeclientgui\banzai\src\org

01/01/1601  12:00a   <DIR>          .
01/01/1601  12:00a   <DIR>          ..
10/24/2003  02:03p   <DIR>          quickfix
09/19/2003  10:44a              410 .cvsignore,v
09/19/2003  10:44a              418 Makefile.am,v
09/19/2003  10:44a            9,516 Makefile.in,v
             3 File(s)        10,344 bytes

    Directory of D:\cvs\qfix\examples\tradeclientgui\banzai\src\org\quickfix

01/01/1601  12:00a   <DIR>          .
01/01/1601  12:00a   <DIR>          ..
10/24/2003  02:03p   <DIR>          banzai
09/19/2003  10:44a              410 .cvsignore,v
09/19/2003  10:44a              416 Makefile.am,v
09/19/2003  10:44a            9,547 Makefile.in,v
             3 File(s)        10,373 bytes

    Directory of D:\cvs\qfix\examples\tradeclientgui\banzai\src\org\quickfix\banzai

01/01/1601  12:00a   <DIR>          .
01/01/1601  12:00a   <DIR>          ..
10/24/2003  02:03p   <DIR>          ui
09/19/2003  10:44a              410 .cvsignore,v
09/19/2003  10:44a           20,094 BanzaiApplication.java,v
09/19/2003  10:44a            3,343 DoubleNumberTextField.java,v
09/19/2003  10:44a            3,986 Execution.java,v
09/19/2003  10:44a            5,542 ExecutionTableModel.java,v
09/19/2003  10:44a            3,172 IntegerNumberTextField.java,v
09/19/2003  10:44a            3,208 LogonEvent.java,v
```

```
                                             dir.txt
09/19/2003   10:44a                      432 Makefile.am,v
09/19/2003   10:44a                    9,590 Makefile.in,v
09/19/2003   10:44a                    6,754 Order.java,v
09/19/2003   10:44a                    4,294 OrderSide.java,v
09/19/2003   10:44a                    6,734 OrderTableModel.java,v
09/19/2003   10:44a                    3,967 OrderTIF.java,v
09/19/2003   10:44a                    3,952 OrderType.java,v
09/19/2003   10:44a                    3,427 TwoWayMap.java,v
               15 File(s)             78,905 bytes

  Directory of D:\cvs\qfix\examples\tradeclientgui\banzai\src\org\quickfix\banzai\ui

01/01/1601   12:00a      <DIR>          .
01/01/1601   12:00a      <DIR>          ..
09/19/2003   10:44a                      410 .cvsignore,v
09/19/2003   10:44a                    3,862 BanzaiFrame.java,v
09/19/2003   10:44a                    6,637 BanzaiPanel.java,v
09/19/2003   10:44a                    6,533 CancelReplacePanel.java,v
09/19/2003   10:44a                    3,641 ExecutionPanel.java,v
09/19/2003   10:44a                    3,683 ExecutionTable.java,v
09/19/2003   10:44a                      419 Makefile.am,v
09/19/2003   10:44a                    5,624 Makefile.in,v
09/19/2003   10:44a                   12,314 OrderEntryPanel.java,v
09/19/2003   10:44a                    3,852 OrderPanel.java,v
09/19/2003   10:44a                    4,712 OrderTable.java,v
               11 File(s)             51,687 bytes

  Directory of D:\cvs\qfix\examples\tradeclientgui\banzai\test

01/01/1601   12:00a      <DIR>          .
01/01/1601   12:00a      <DIR>          ..
09/19/2003   10:44a                      410 .cvsignore,v
09/19/2003   10:44a                    4,038 BanzaiTest.java,v
09/19/2003   10:44a                      419 Makefile.am,v
09/19/2003   10:44a                    5,534 Makefile.in,v
                4 File(s)             10,401 bytes

  Directory of D:\cvs\qfix\lib

01/01/1601   12:00a      <DIR>          .
01/01/1601   12:00a      <DIR>          ..
09/19/2003   10:44a                      460 .cvsignore,v
09/19/2003   10:44a                  718,645 ant.jar,v
09/19/2003   10:44a                  197,384 crimson.jar,v
09/19/2003   10:44a                   33,827 jaxp.jar,v
09/19/2003   10:44a                  118,288 junit.jar,v
09/19/2003   10:44a                  170,120 log4j.jar,v
09/19/2003   10:44a                   78,783 log4j-core.jar,v
09/19/2003   10:44a                  655,985 optional.jar,v
                8 File(s)          1,973,492 bytes

  Directory of D:\cvs\qfix\spec

01/01/1601   12:00a      <DIR>          .
01/01/1601   12:00a      <DIR>          ..
09/19/2003   10:44a                      473 .cvsignore,v
09/19/2003   10:44a                      402 blankline.txt,v
09/19/2003   10:44a                    3,266 c_header.xsl,v
09/19/2003   10:44a                    4,273 FieldNumbers.xsl,v
09/19/2003   10:44a                    3,556 Fields.xsl,v
09/19/2003   10:44a                  384,482 fix-40.html,v
09/19/2003   10:44a                   38,048 FIX40.xml,v
09/19/2003   10:44a                   59,299 FIX41.xml,v
```

```
                                      dir.txt
09/19/2003   10:44a            682,496 fix-41-with_errata_19990630.html,v
09/19/2003   10:44a            125,043 FIX42.xml,v
09/19/2003   10:44a          2,042,915 fix-42-with_errata_20010501.html,v
09/19/2003   10:44a            209,108 FIX43.xml,v
09/19/2003   10:44a             14,280 FixLexer.l,v
09/19/2003   10:44a                455 generate.bat,v
09/19/2003   10:44a              1,091 generate_c++.bat,v
09/19/2003   10:44a              2,383 generate_java.bat,v
09/19/2003   10:44a              9,482 generate_java_fields.xsl,v
09/19/2003   10:44a             14,211 generate_java_messages.xsl,v
09/19/2003   10:44a              1,331 generate_net.bat,v
09/19/2003   10:44a              3,913 Groups.xsl,v
09/19/2003   10:44a              3,950 java_Message.xsl,v
09/19/2003   10:44a              5,301 java_MessageCracker.xsl,v
09/19/2003   10:44a              3,792 java_MessageFactory.xsl,v
09/19/2003   10:44a             68,312 lex.yy.c,v
09/19/2003   10:44a                439 Makefile.am,v
09/19/2003   10:44a              6,563 Makefile.in,v
09/19/2003   10:44a              4,795 MessageCracker.xsl,v
09/19/2003   10:44a              9,046 Messages.xsl,v
09/19/2003   10:44a              7,153 net_Fields.xsl,v
09/19/2003   10:44a              5,344 net_MessageCracker.xsl,v
09/19/2003   10:44a              3,841 net_MessageFactory.xsl,v
09/19/2003   10:44a              9,063 net_Messages.xsl,v
09/19/2003   10:44a              5,726 Values.xsl,v
             33 File(s)      3,733,832 bytes

Directory of D:\cvs\qfix\src

01/01/1601   12:00a    <DIR>          .
01/01/1601   12:00a    <DIR>          ..
09/19/2003   10:44a    <DIR>          .NET
09/19/2003   10:44a    <DIR>          C
09/19/2003   10:44a    <DIR>          C++
09/19/2003   10:44a    <DIR>          java
09/19/2003   10:44a    <DIR>          ruby
09/19/2003   10:44a    <DIR>          sql
09/19/2003   10:44a                460 .cvsignore,v
09/19/2003   10:44a              5,714 at_application.h,v
09/19/2003   10:44a              4,139 at_client.cpp,v
09/19/2003   10:44a              4,188 at_server.cpp,v
09/19/2003   10:44a                588 config_windows.h,v
09/19/2003   10:44a              4,543 getopt.c,v
09/19/2003   10:44a                579 getopt-repl.h,v
09/19/2003   10:44a              1,267 Makefile.am,v
09/19/2003   10:44a             15,958 Makefile.in,v
09/19/2003   10:44a             12,144 pt.cpp,v
09/19/2003   10:44a                690 stdafx.cpp,v
09/19/2003   10:44a              1,240 stdafx.h,v
09/19/2003   10:44a              6,631 TestSuite.h,v
09/19/2003   10:44a              3,428 ut.cpp,v
             14 File(s)        61,569 bytes

Directory of D:\cvs\qfix\src\.NET

01/01/1601   12:00a    <DIR>          .
01/01/1601   12:00a    <DIR>          ..
09/19/2003   10:44a                425 .cvsignore,v
09/19/2003   10:44a              2,998 Acceptor.h,v
09/19/2003   10:44a              6,927 Application.h,v
09/19/2003   10:44a              2,723 AssemblyInfo.cpp,v
09/19/2003   10:44a              3,984 DefaultMessageFactory.h,v
09/19/2003   10:44a              4,818 DeprecatedFields.h,v
```

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```
                                    dir.txt
09/19/2003    10:44a                3,822 Exceptions.h,v
09/19/2003    10:44a                6,056 Field.h,v
09/19/2003    10:44a              144,149 FieldNumbers.h,v
09/19/2003    10:44a                  440 Fields.cpp,v
09/19/2003    10:44a              167,497 Fields.h,v
09/19/2003    10:44a                  441 FileLog.cpp,v
09/19/2003    10:44a                4,630 FileLog.h,v
09/19/2003    10:44a                  450 FileMessageStore.cpp,v
09/19/2003    10:44a                7,127 FileMessageStore.h,v
09/19/2003    10:44a                8,729 FIX40_MessageCracker.h,v
09/19/2003    10:44a                5,449 FIX40_MessageFactory.h,v
09/19/2003    10:44a               29,053 FIX40_Messages.h,v
09/19/2003    10:44a                9,043 FIX41_MessageCracker.h,v
09/19/2003    10:44a                5,548 FIX41_MessageFactory.h,v
09/19/2003    10:44a               38,144 FIX41_Messages.h,v
09/19/2003    10:44a               12,628 FIX42_MessageCracker.h,v
09/19/2003    10:44a                7,004 FIX42_MessageFactory.h,v
09/19/2003    10:44a               83,072 FIX42_Messages.h,v
09/19/2003    10:44a               18,360 FIX43_MessageCracker.h,v
09/19/2003    10:44a                9,339 FIX43_MessageFactory.h,v
09/19/2003    10:44a              231,033 FIX43_Messages.h,v
09/19/2003    10:44a                7,601 Group.cpp,v
09/19/2003    10:44a                5,754 Group.h,v
09/19/2003    10:44a                3,003 Initiator.h,v
09/19/2003    10:44a                3,530 Log.h,v
09/19/2003    10:44a                3,430 LogFactory.h,v
09/19/2003    10:44a                  452 MemoryMessageStore.cpp,v
09/19/2003    10:44a                6,443 MemoryMessageStore.h,v
09/19/2003    10:44a               18,699 Message.cpp,v
09/19/2003    10:44a               11,299 Message.h,v
09/19/2003    10:44a                  448 MessageCracker.cpp,v
09/19/2003    10:44a                4,081 MessageCracker.h,v
09/19/2003    10:44a                3,135 MessageFactory.h,v
09/19/2003    10:44a                2,924 Messages.h,v
09/19/2003    10:44a                  446 MessageStore.cpp,v
09/19/2003    10:44a                6,752 MessageStore.h,v
09/19/2003    10:44a                  453 MessageStoreFactory.cpp,v
09/19/2003    10:44a                3,547 MessageStoreFactory.h,v
09/19/2003    10:44a                  442 MySQLLog.cpp,v
09/19/2003    10:44a                4,772 MySQLLog.h,v
09/19/2003    10:44a                  451 MySQLMessageStore.cpp,v
09/19/2003    10:44a                7,190 MySQLMessageStore.h,v
09/19/2003    10:44a                3,713 quickfix_net.cpp,v
09/19/2003    10:44a                3,076 quickfix_net.h,v
09/19/2003    10:44a                1,303 quickfix_net.sln,v
09/19/2003    10:44a                6,983 quickfix_net.vcproj,v
09/19/2003    10:44a                1,554 ReadMe.txt,v
09/19/2003    10:44a                  443 ScreenLog.cpp,v
09/19/2003    10:44a                4,370 ScreenLog.h,v
09/19/2003    10:44a                4,761 Session.cpp,v
09/19/2003    10:44a                3,761 Session.h,v
09/19/2003    10:44a                4,478 SessionID.h,v
09/19/2003    10:44a                3,902 SessionSettings.h,v
09/19/2003    10:44a                5,231 SocketAcceptor.h,v
09/19/2003    10:44a                5,246 SocketInitiator.h,v
09/19/2003    10:44a                  604 Stdafx.cpp,v
09/19/2003    10:44a                  739 Stdafx.h,v
09/19/2003    10:44a                5,349 ThreadedSocketAcceptor.h,v
09/19/2003    10:44a                5,366 ThreadedSocketInitiator.h,v
              65 File(s)         969,620 bytes

Directory of D:\cvs\qfix\src\C
```

```
                                      dir.txt
01/01/1601   12:00a      <DIR>            .
01/01/1601   12:00a      <DIR>            ..
09/19/2003   10:44a              487 .cvsignore,v
09/19/2003   10:44a            3,428 fix_application.h,v
09/19/2003   10:44a            7,060 fix_filestore.cpp,v
09/19/2003   10:44a            4,270 fix_filestore.h,v
09/19/2003   10:44a            6,986 fix_memorystore.cpp,v
09/19/2003   10:44a            4,276 fix_memorystore.h,v
09/19/2003   10:44a            3,062 fix_message.h,v
09/19/2003   10:44a            3,975 fix_messagestore.h,v
09/19/2003   10:44a            3,072 fix_sessionid.h,v
09/19/2003   10:44a              587 Makefile.am,v
09/19/2003   10:44a           10,488 Makefile.in,v
09/19/2003   10:44a            4,194 quickfix_api.cpp,v
09/19/2003   10:44a            3,962 quickfix_api.dsp,v
09/19/2003   10:44a              947 quickfix_api.dsw,v
09/19/2003   10:44a            3,213 quickfix_api.h,v
               15 File(s)       60,007 bytes

Directory of D:\cvs\qfix\src\C++

01/01/1601   12:00a      <DIR>            .
01/01/1601   12:00a      <DIR>            ..
09/19/2003   10:44a      <DIR>            test
09/19/2003   10:44a              452 .cvsignore,v
09/19/2003   10:44a            6,165 Acceptor.cpp,v
09/19/2003   10:44a            4,848 Acceptor.h,v
09/19/2003   10:44a            7,005 Application.h,v
09/19/2003   10:44a            2,818 CallStack.cpp,v
09/19/2003   10:44a            5,619 CallStack.h,v
09/19/2003   10:44a           35,207 ConfigLexer.cpp,v
09/19/2003   10:44a            3,199 ConfigLexer.h,v
09/19/2003   10:44a            1,114 ConfigLexer.ll,v
09/19/2003   10:44a              527 copy.sh,v
09/19/2003   10:44a              466 copyifnewer.sh,v
09/19/2003   10:44a              459 copyifnotexist.sh,v
09/19/2003   10:44a           17,084 DataDictionary.cpp,v
09/19/2003   10:44a           13,872 DataDictionary.h,v
09/19/2003   10:44a            3,134 DeprecatedFieldNumbers.h,v
09/19/2003   10:44a            3,154 DeprecatedFields.h,v
09/19/2003   10:44a            3,505 DeprecatedValues.h,v
09/19/2003   10:44a            5,682 Dictionary.cpp,v
09/19/2003   10:44a            4,523 Dictionary.h,v
09/19/2003   10:44a            3,902 DOMDocument.h,v
09/19/2003   10:44a            3,962 Event.h,v
09/19/2003   10:44a            7,156 Exceptions.h,v
09/19/2003   10:44a           17,966 Field.h,v
09/19/2003   10:44a           10,199 FieldConvertors.h,v
09/19/2003   10:44a            6,571 FieldMap.cpp,v
09/19/2003   10:44a            6,533 FieldMap.h,v
09/19/2003   10:44a           20,980 FieldNumbers.h,v
09/19/2003   10:44a           23,824 Fields.h,v
09/19/2003   10:44a            3,076 FieldTypes.cpp,v
09/19/2003   10:44a           12,490 FieldTypes.h,v
09/19/2003   10:44a            4,461 FileLog.cpp,v
09/19/2003   10:44a            4,500 FileLog.h,v
09/19/2003   10:44a           10,845 FileStore.cpp,v
09/19/2003   10:44a            5,796 FileStore.h,v
09/19/2003   10:44a            8,273 FIX40_MessageCracker.h,v
09/19/2003   10:44a           32,954 FIX40_Messages.h,v
09/19/2003   10:44a            8,503 FIX41_MessageCracker.h,v
09/19/2003   10:44a           44,035 FIX41_Messages.h,v
09/19/2003   10:44a           11,857 FIX42_MessageCracker.h,v
```

```
                                dir.txt
09/19/2003   10:44a      94,786 FIX42_Messages.h,v
09/19/2003   10:44a      17,198 FIX43_MessageCracker.h,v
09/19/2003   10:44a     253,550 FIX43_Messages.h,v
09/19/2003   10:44a       2,016 FixLexer.l,v
09/19/2003   10:44a       6,297 FlexLexer.h,v
09/19/2003   10:44a       3,375 Group.cpp,v
09/19/2003   10:44a       3,811 Group.h,v
09/19/2003   10:44a       1,725 index.h,v
09/19/2003   10:44a       6,548 Initiator.cpp,v
09/19/2003   10:44a       5,235 Initiator.h,v
09/19/2003   10:44a       5,944 LIBXML_DOMDocument.cpp,v
09/19/2003   10:44a       3,899 LIBXML_DOMDocument.h,v
09/19/2003   10:44a       3,214 Log.cpp,v
09/19/2003   10:44a       5,357 Log.h,v
09/19/2003   10:44a       2,879 Makefile.am,v
09/19/2003   10:44a      21,905 Makefile.in,v
09/19/2003   10:44a      19,987 Makefile.my,v
09/19/2003   10:44a      19,993 Makefile.mysql,v
09/19/2003   10:44a      13,162 Message.cpp,v
09/19/2003   10:44a       8,429 Message.h,v
09/19/2003   10:44a       4,065 MessageCracker.h,v
09/19/2003   10:44a       2,983 Messages.h,v
09/19/2003   10:44a       4,751 MessageSorters.cpp,v
09/19/2003   10:44a       5,721 MessageSorters.h,v
09/19/2003   10:44a       7,888 MessageStore.cpp,v
09/19/2003   10:44a       7,476 MessageStore.h,v
09/19/2003   10:44a       7,082 MSXML_DOMDocument.cpp,v
09/19/2003   10:44a       4,031 MSXML_DOMDocument.h,v
09/19/2003   10:44a       4,414 Mutex.h,v
09/19/2003   10:44a       5,700 MySQLLog.cpp,v
09/19/2003   10:44a       5,030 MySQLLog.h,v
09/19/2003   10:44a      13,857 MySQLStore.cpp,v
09/19/2003   10:44a      14,271 MySQLStore.cpp.mysql,v
09/19/2003   10:44a       5,518 MySQLStore.h,v
09/19/2003   10:44a       5,288 Parser.cpp,v
09/19/2003   10:44a       3,852 Parser.h,v
09/19/2003   10:44a       3,543 Queue.h,v
09/19/2003   10:44a      35,092 Session.cpp,v
09/19/2003   10:44a       9,590 Session.h,v
09/19/2003   10:44a       5,591 SessionFactory.cpp,v
09/19/2003   10:44a       3,750 SessionFactory.h,v
09/19/2003   10:44a       5,479 SessionID.h,v
09/19/2003   10:44a       4,920 SessionSettings.cpp,v
09/19/2003   10:44a       5,602 SessionSettings.h,v
09/19/2003   10:44a       8,510 SessionState.h,v
09/19/2003   10:44a       4,100 Settings.cpp,v
09/19/2003   10:44a       3,326 Settings.h,v
09/19/2003   10:44a       6,188 SocketAcceptor.cpp,v
09/19/2003   10:44a       4,204 SocketAcceptor.h,v
09/19/2003   10:44a       5,049 SocketConnection.cpp,v
09/19/2003   10:44a       3,731 SocketConnection.h,v
09/19/2003   10:44a       4,988 SocketConnector.cpp,v
09/19/2003   10:44a       3,784 SocketConnector.h,v
09/19/2003   10:44a       7,346 SocketInitiator.cpp,v
09/19/2003   10:44a       4,371 SocketInitiator.h,v
09/19/2003   10:44a       6,294 SocketMonitor.cpp,v
09/19/2003   10:44a       4,155 SocketMonitor.h,v
09/19/2003   10:44a       5,052 SocketServer.cpp,v
09/19/2003   10:44a       3,865 SocketServer.h,v
09/19/2003   10:44a         690 stdafx.cpp,v
09/19/2003   10:44a       1,198 stdafx.h,v
09/19/2003   10:44a       7,661 strptime.c,v
09/19/2003   10:44a         484 strptime.h,v
                                Page 86
```

```
                                             dir.txt
09/19/2003   10:44a              4,330 SybInterface.h,v
09/19/2003   10:44a              6,010 ThreadedSocketAcceptor.cpp,v
09/19/2003   10:44a              4,253 ThreadedSocketAcceptor.h,v
09/19/2003   10:44a              7,296 ThreadedSocketConnection.cpp,v
09/19/2003   10:44a              3,935 ThreadedSocketConnection.h,v
09/19/2003   10:44a              8,108 ThreadedSocketInitiator.cpp,v
09/19/2003   10:44a              4,501 ThreadedSocketInitiator.h,v
09/19/2003   10:44a              9,403 Utility.cpp,v
09/19/2003   10:44a              4,576 Utility.h,v
09/19/2003   10:44a             60,125 Values.h,v
             112 File(s)     1,239,053 bytes

Directory of D:\cvs\qfix\src\C++\test

01/01/1601   12:00a    <DIR>          .
01/01/1601   12:00a    <DIR>          ..
09/19/2003   10:44a                436 .cvsignore,v
09/19/2003   10:44a             16,795 .Makefile.swp,v
09/19/2003   10:44a              3,951 AcceptorTestCase.cpp,v
09/19/2003   10:44a              4,032 AcceptorTestCase.h,v
09/19/2003   10:44a             15,822 DataDictionaryTestCase.cpp,v
09/19/2003   10:44a              6,801 DataDictionaryTestCase.h,v
09/19/2003   10:44a              4,737 DictionaryTestCase.cpp,v
09/19/2003   10:44a              3,625 DictionaryTestCase.h,v
09/19/2003   10:44a              8,874 FieldConvertorsTestCase.cpp,v
09/19/2003   10:44a              5,553 FieldConvertorsTestCase.h,v
09/19/2003   10:44a              3,945 FileStoreFactoryTestCase.cpp,v
09/19/2003   10:44a              3,910 FileStoreFactoryTestCase.h,v
09/19/2003   10:44a              4,363 FileStoreTestCase.cpp,v
09/19/2003   10:44a              4,494 FileStoreTestCase.h,v
09/19/2003   10:44a              1,571 Makefile.am,v
09/19/2003   10:44a             14,943 Makefile.in,v
09/19/2003   10:44a              4,234 MemoryStoreTestCase.cpp,v
09/19/2003   10:44a              3,554 MemoryStoreTestCase.h,v
09/19/2003   10:44a             24,468 MessagesTestCase.cpp,v
09/19/2003   10:44a              6,035 MessagesTestCase.h,v
09/19/2003   10:44a              4,793 MessageStoreTestCase.cpp,v
09/19/2003   10:44a              3,824 MessageStoreTestCase.h,v
09/19/2003   10:44a              3,928 MySQLStoreTestCase.cpp,v
09/19/2003   10:44a              4,105 MySQLStoreTestCase.h,v
09/19/2003   10:44a              6,225 ParserTestCase.cpp,v
09/19/2003   10:44a              4,817 ParserTestCase.h,v
09/19/2003   10:44a              5,184 SessionIDTestCase.cpp,v
09/19/2003   10:44a              3,647 SessionIDTestCase.h,v
09/19/2003   10:44a              4,422 SessionSettingsTestCase.cpp,v
09/19/2003   10:44a              3,363 SessionSettingsTestCase.h,v
09/19/2003   10:44a             31,160 SessionTestCase.cpp,v
09/19/2003   10:44a             10,620 SessionTestCase.h,v
09/19/2003   10:44a              4,563 SettingsTestCase.cpp,v
09/19/2003   10:44a              3,275 SettingsTestCase.h,v
09/19/2003   10:44a              3,366 SocketConnectorTestCase.cpp,v
09/19/2003   10:44a              3,513 SocketConnectorTestCase.h,v
09/19/2003   10:44a              5,358 SocketServerTestCase.cpp,v
09/19/2003   10:44a              5,043 SocketServerTestCase.h,v
09/19/2003   10:44a              4,480 SocketUtilitiesTestCase.cpp,v
09/19/2003   10:44a              4,038 SocketUtilitiesTestCase.h,v
09/19/2003   10:44a              3,786 UtcTimeOnlyTestCase.cpp,v
09/19/2003   10:44a              3,340 UtcTimeOnlyTestCase.h,v
09/19/2003   10:44a              4,644 UtcTimeStampTestCase.cpp,v
09/19/2003   10:44a              3,728 UtcTimeStampTestCase.h,v
              44 File(s)       277,365 bytes

Directory of D:\cvs\qfix\src\java
```

dir.txt

```
01/01/1601  12:00a   <DIR>               .
01/01/1601  12:00a   <DIR>               ..
09/19/2003  10:44a   <DIR>               cfg
09/19/2003  10:44a   <DIR>               src
09/19/2003  10:44a   <DIR>               test
09/19/2003  10:44a            530  .cvsignore,v
09/19/2003  10:44a            624  build.bat,v
09/19/2003  10:44a            949  build.properties,v
09/19/2003  10:44a            691  build.sh,v
09/19/2003  10:44a          1,785  build.xml,v
09/19/2003  10:44a          4,741  Conversions.cpp,v
09/19/2003  10:44a         12,383  Conversions.h,v
09/19/2003  10:44a          8,312  JavaApplication.cpp,v
09/19/2003  10:44a          4,701  JavaApplication.h,v
09/19/2003  10:44a          3,935  JavaLog.cpp,v
09/19/2003  10:44a          3,241  JavaLog.h,v
09/19/2003  10:44a          3,548  JavaLogFactory.cpp,v
09/19/2003  10:44a          3,175  JavaLogFactory.h,v
09/19/2003  10:44a         15,014  JavaMessageStore.cpp,v
09/19/2003  10:44a          5,550  JavaMessageStore.h,v
09/19/2003  10:44a          3,700  JavaMessageStoreFactory.cpp,v
09/19/2003  10:44a          3,258  JavaMessageStoreFactory.h,v
09/19/2003  10:44a          8,152  JVM.cpp,v
09/19/2003  10:44a          5,980  JVM.h,v
09/19/2003  10:44a            754  log4j.properties,v
09/19/2003  10:44a          2,479  Makefile.am,v
09/19/2003  10:44a         21,706  Makefile.in,v
09/19/2003  10:44a         20,319  Makefile.my,v
09/19/2003  10:44a         20,035  Makefile.mysql,v
09/19/2003  10:44a          4,537  org_quickfix_FileLog.cpp,v
09/19/2003  10:44a          1,581  org_quickfix_FileLog.h,v
09/19/2003  10:44a          4,617  org_quickfix_FileLogFactory.cpp,v
09/19/2003  10:44a          1,299  org_quickfix_FileLogFactory.h,v
09/19/2003  10:44a          6,039  org_quickfix_FileStore.cpp,v
09/19/2003  10:44a          3,240  org_quickfix_FileStore.h,v
09/19/2003  10:44a          4,841  org_quickfix_FileStoreFactory.cpp,v
09/19/2003  10:44a          1,326  org_quickfix_FileStoreFactory.h,v
09/19/2003  10:44a          8,906  org_quickfix_Group.cpp,v
09/19/2003  10:44a          4,993  org_quickfix_Group.h,v
09/19/2003  10:44a          5,748  org_quickfix_MemoryStore.cpp,v
09/19/2003  10:44a          3,298  org_quickfix_MemoryStore.h,v
09/19/2003  10:44a         19,431  org_quickfix_Message.cpp,v
09/19/2003  10:44a         11,989  org_quickfix_Message.h,v
09/19/2003  10:44a          4,583  org_quickfix_MySQLLog.cpp,v
09/19/2003  10:44a          1,594  org_quickfix_MySQLLog.h,v
09/19/2003  10:44a          4,683  org_quickfix_MySQLLogFactory.cpp,v
09/19/2003  10:44a          1,308  org_quickfix_MySQLLogFactory.h,v
09/19/2003  10:44a          5,635  org_quickfix_MySQLStore.cpp,v
09/19/2003  10:44a          3,269  org_quickfix_MySQLStore.h,v
09/19/2003  10:44a          4,883  org_quickfix_MySQLStoreFactory.cpp,v
09/19/2003  10:44a          1,335  org_quickfix_MySQLStoreFactory.h,v
09/19/2003  10:44a          4,514  org_quickfix_ScreenLog.cpp,v
09/19/2003  10:44a          1,607  org_quickfix_ScreenLog.h,v
09/19/2003  10:44a          4,500  org_quickfix_ScreenLogFactory.cpp,v
09/19/2003  10:44a          1,353  org_quickfix_ScreenLogFactory.h,v
09/19/2003  10:44a          7,675  org_quickfix_Session.cpp,v
09/19/2003  10:44a          2,305  org_quickfix_Session.h,v
09/19/2003  10:44a          5,289  org_quickfix_SessionID.cpp,v
09/19/2003  10:44a          1,701  org_quickfix_SessionID.h,v
09/19/2003  10:44a         10,138  org_quickfix_SessionSettings.cpp,v
09/19/2003  10:44a          3,091  org_quickfix_SessionSettings.h,v
09/19/2003  10:44a          5,233  org_quickfix_SocketAcceptor.cpp,v
```

```
                                      dir.txt
09/19/2003   10:44a            1,394 org_quickfix_SocketAcceptor.h,v
09/19/2003   10:44a            5,555 org_quickfix_SocketInitiator.cpp,v
09/19/2003   10:44a            1,405 org_quickfix_SocketInitiator.h,v
09/19/2003   10:44a            5,662 org_quickfix_ThreadedSocketAcceptor.cpp,v
09/19/2003   10:44a            1,482 org_quickfix_ThreadedSocketAcceptor.h,v
09/19/2003   10:44a            5,685 org_quickfix_ThreadedSocketInitiator.cpp,v
09/19/2003   10:44a            1,493 org_quickfix_ThreadedSocketInitiator.h,v
09/19/2003   10:44a            8,767 quickfix_jni.dsp,v
09/19/2003   10:44a              947 quickfix_jni.dsw,v
09/19/2003   10:44a            1,303 quickfix_jni.sln,v
09/19/2003   10:44a            8,303 quickfix_jni.vcproj,v
09/19/2003   10:44a              604 stdafx.cpp,v
09/19/2003   10:44a              604 stdafx.h,v
09/19/2003   10:44a              548 test.bat,v
                71 File(s)    355,855 bytes

 Directory of D:\cvs\qfix\src\java\cfg

01/01/1601   12:00a    <DIR>          .
01/01/1601   12:00a    <DIR>          ..
09/19/2003   10:44a              408 .cvsignore,v
09/19/2003   10:44a              634 at_client.cfg,v
09/19/2003   10:44a              578 at_server.cfg,v
09/19/2003   10:44a              418 Makefile.am,v
09/19/2003   10:44a            6,570 Makefile.in,v
                 5 File(s)      8,608 bytes

 Directory of D:\cvs\qfix\src\java\src

01/01/1601   12:00a    <DIR>          .
01/01/1601   12:00a    <DIR>          ..
09/19/2003   10:44a    <DIR>          org
09/19/2003   10:44a              408 .cvsignore,v
09/19/2003   10:44a              413 Makefile.am,v
09/19/2003   10:44a           10,944 Makefile.in,v
                 3 File(s)     11,765 bytes

 Directory of D:\cvs\qfix\src\java\src\org

01/01/1601   12:00a    <DIR>          .
01/01/1601   12:00a    <DIR>          ..
09/19/2003   10:44a    <DIR>          quickfix
09/19/2003   10:44a              408 .cvsignore,v
09/19/2003   10:44a              418 Makefile.am,v
09/19/2003   10:44a           10,963 Makefile.in,v
                 3 File(s)     11,789 bytes

 Directory of D:\cvs\qfix\src\java\src\org\quickfix

01/01/1601   12:00a    <DIR>          .
01/01/1601   12:00a    <DIR>          ..
09/19/2003   10:44a    <DIR>          field
09/19/2003   10:44a    <DIR>          fix40
09/19/2003   10:44a    <DIR>          fix41
09/19/2003   10:44a    <DIR>          fix42
09/19/2003   10:44a    <DIR>          fix43
09/19/2003   10:44a              408 .cvsignore,v
09/19/2003   10:44a            2,901 Acceptor.java,v
09/19/2003   10:44a            3,784 Application.java,v
09/19/2003   10:44a            3,597 BooleanField.java,v
09/19/2003   10:44a            3,581 CharField.java,v
09/19/2003   10:44a            2,972 ConfigError.java,v
09/19/2003   10:44a            3,597 DateField.java,v
```

```
                                     dir.txt
09/19/2003   10:44a            3,885 DefaultMessageFactory.java,v
09/19/2003   10:44a            2,896 DoNotSend.java,v
09/19/2003   10:44a            3,575 DoubleField.java,v
09/19/2003   10:44a            3,665 Field.java,v
09/19/2003   10:44a            2,915 FieldConvertError.java,v
09/19/2003   10:44a            2,919 FieldMap.java,v
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09/19/2003   10:44a            2,982 RuntimeError.java,v
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09/19/2003   10:44a            4,461 SocketInitiator.java,v
09/19/2003   10:44a            3,251 StringField.java,v
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09/19/2003   10:44a            4,541 ThreadedSocketInitiator.java,v
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09/19/2003   10:44a            3,038 UtcTimeOnlyField.java,v
09/19/2003   10:44a            3,040 UtcTimeStampField.java,v
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09/19/2003   10:44a              724 AccruedInterestRate.java,v
09/19/2003   10:44a              802 Adjustment.java,v
09/19/2003   10:44a              676 AdvId.java,v
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09/19/2003   10:44a        694 BeginString.java,v
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09/19/2003   10:44a        724 BenchmarkCurvePoint.java,v
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09/19/2003   10:44a        703 CreditRating.java,v
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09/19/2003    10:44a      724 EncodedListExecInstLen.java,v
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09/19/2003    10:44a          703 MDEntryRefID.java,v
09/19/2003    10:44a          706 MDEntrySeller.java,v
09/19/2003    10:44a          700 MDEntrySize.java,v
09/19/2003    10:44a          708 MDEntryTime.java,v
09/19/2003    10:44a        1,220 MDEntryType.java,v
09/19/2003    10:44a          833 MDImplicitDelete.java,v
09/19/2003    10:44a          682 MDMkt.java,v
09/19/2003    10:44a          688 MDReqID.java,v
09/19/2003    10:44a        1,457 MDReqRejReason.java,v
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                                                dir.txt
09/19/2003    10:44a              820  MDUpdateAction.java,v
09/19/2003    10:44a              787  MDUpdateType.java,v
09/19/2003    10:44a              712  MessageEncoding.java,v
09/19/2003    10:44a              682  MidPx.java,v
09/19/2003    10:44a              691  MidYield.java,v
09/19/2003    10:44a              697  MinBidSize.java,v
09/19/2003    10:44a              703  MinOfferSize.java,v
09/19/2003    10:44a              685  MinQty.java,v
09/19/2003    10:44a              700  MinTradeVol.java,v
09/19/2003    10:44a              697  MiscFeeAmt.java,v
09/19/2003    10:44a              700  MiscFeeCurr.java,v
09/19/2003    10:44a            1,077  MiscFeeType.java,v
09/19/2003    10:44a              691  MktBidPx.java,v
09/19/2003    10:44a              697  MktOfferPx.java,v
09/19/2003    10:44a            1,016  MoneyLaunderingStatus.java,v
09/19/2003    10:44a              776  MsgDirection.java,v
09/19/2003    10:44a              682  MsgSeqNum.java,v
09/19/2003    10:44a            4,330  MsgType.java,v
09/19/2003    10:44a              724  MultiLegReportingType.java,v
09/19/2003    10:44a              712  MultiLegRptTypeReq.java,v
09/19/2003    10:44a              706  NestedPartyID.java,v
09/19/2003    10:44a              718  NestedPartyIDSource.java,v
09/19/2003    10:44a              703  NestedPartyRole.java,v
09/19/2003    10:44a              715  NestedPartySubID.java,v
09/19/2003    10:44a              706  NetChgPrevDay.java,v
09/19/2003    10:44a              761  NetGrossInd.java,v
09/19/2003    10:44a              691  NetMoney.java,v
09/19/2003    10:44a              679  NewSeqNo.java,v
09/19/2003    10:44a              706  NoAffectedOrders.java,v
09/19/2003    10:44a              679  NoAllocs.java,v
09/19/2003    10:44a              703  NoBidComponents.java,v
09/19/2003    10:44a              706  NoBidDescriptors.java,v
09/19/2003    10:44a              724  NoClearingInstructions.java,v
09/19/2003    10:44a              688  NoContAmts.java,v
09/19/2003    10:44a              703  NoContraBrokers.java,v
09/19/2003    10:44a              679  NoDates.java,v
09/19/2003    10:44a              700  NoDistribInsts.java,v
09/19/2003    10:44a              685  NoDlvyInst.java,v
09/19/2003    10:44a              679  NoExecs.java,v
09/19/2003    10:44a              676  NoHops.java,v
09/19/2003    10:44a              703  NoIOIQualifiers.java,v
09/19/2003    10:44a              676  NoLegs.java,v
09/19/2003    10:44a              721  NoLegSecurityAltID.java,v
09/19/2003    10:44a              691  NoMDEntries.java,v
09/19/2003    10:44a              700  NoMDEntryTypes.java,v
09/19/2003    10:44a              688  NoMiscFees.java,v
09/19/2003    10:44a              688  NoMsgTypes.java,v
09/19/2003    10:44a              706  NoNestedPartyIDs.java,v
09/19/2003    10:44a              679  NoOrders.java,v
09/19/2003    10:44a              688  NoPartyIDs.java,v
09/19/2003    10:44a              700  NoQuoteEntries.java,v
09/19/2003    10:44a              691  NoQuoteSets.java,v
09/19/2003    10:44a              694  NoRegistDtls.java,v
09/19/2003    10:44a              694  NoRelatedSym.java,v
09/19/2003    10:44a              694  NoRoutingIDs.java,v
09/19/2003    10:44a              673  NoRpts.java,v
09/19/2003    10:44a              703  NoSecurityAltID.java,v
09/19/2003    10:44a              703  NoSecurityTypes.java,v
09/19/2003    10:44a              765  NoSides.java,v
09/19/2003    10:44a              700  NoStipulations.java,v
09/19/2003    10:44a              685  NoStrikes.java,v
09/19/2003    10:44a              871  NotifyBrokerOfCredit.java,v
09/19/2003    10:44a              709  NoTradingSessions.java,v
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                                    dir.txt
09/19/2003   10:44a        733 NoUnderlyingSecurityAltID.java,v
09/19/2003   10:44a        700 NumberOfOrders.java,v
09/19/2003   10:44a        688 NumBidders.java,v
09/19/2003   10:44a        703 NumDaysInterest.java,v
09/19/2003   10:44a        688 NumTickets.java,v
09/19/2003   10:44a        688 OddLot.java,v
09/19/2003   10:44a        721 OfferForwardPoints.java,v
09/19/2003   10:44a        724 OfferForwardPoints2.java,v
09/19/2003   10:44a        688 OfferPx.java,v
09/19/2003   10:44a        694 OfferSize.java,v
09/19/2003   10:44a        706 OfferSpotRate.java,v
09/19/2003   10:44a        697 OfferYield.java,v
09/19/2003   10:44a        715 OnBehalfOfCompID.java,v
09/19/2003   10:44a        727 OnBehalfOfLocationID.java,v
09/19/2003   10:44a        740 OnBehalfOfSendingTime.java,v
09/19/2003   10:44a        712 OnBehalfOfSubID.java,v
09/19/2003   10:44a        762 OpenClose.java,v
09/19/2003   10:44a        987 OpenCloseSettleFlag.java,v
09/19/2003   10:44a        697 OptAttribute.java,v
09/19/2003   10:44a        980 OrderCapacity.java,v
09/19/2003   10:44a        685 OrderID.java,v
09/19/2003   10:44a        703 OrderPercent.java,v
09/19/2003   10:44a        688 OrderQty.java,v
09/19/2003   10:44a        694 OrderQty2.java,v
09/19/2003   10:44a      1,365 OrderRestrictions.java,v
09/19/2003   10:44a      1,323 OrdRejReason.java,v
09/19/2003   10:44a      1,349 OrdStatus.java,v
09/19/2003   10:44a      1,787 OrdType.java,v
09/19/2003   10:44a        697 OrigClOrdID.java,v
09/19/2003   10:44a        700 OrigCrossID.java,v
09/19/2003   10:44a        719 OrigOrdModTime.java,v
09/19/2003   10:44a        722 OrigSendingTime.java,v
09/19/2003   10:44a        698 OrigTime.java,v
09/19/2003   10:44a        721 OutMainCntryUIndex.java,v
09/19/2003   10:44a        712 OutsideIndexPct.java,v
09/19/2003   10:44a        700 OwnershipType.java,v
09/19/2003   10:44a      1,303 OwnerType.java,v
09/19/2003   10:44a        688 PartyID.java,v
09/19/2003   10:44a      1,644 PartyIDSource.java,v
09/19/2003   10:44a      1,648 PartyRole.java,v
09/19/2003   10:44a        697 PartySubID.java,v
09/19/2003   10:44a        691 Password.java,v
09/19/2003   10:44a        700 PaymentDate.java,v
09/19/2003   10:44a        697 PaymentMethod.java,v
09/19/2003   10:44a        697 PaymentRef.java,v
09/19/2003   10:44a        718 PaymentRemitterID.java,v
09/19/2003   10:44a        706 PegDifference.java,v
09/19/2003   10:44a        700 PositionEffect.java,v
09/19/2003   10:44a        816 PossDupFlag.java,v
09/19/2003   10:44a        697 PossResend.java,v
09/19/2003   10:44a        703 PreallocMethod.java,v
09/19/2003   10:44a        700 PrevClosePx.java,v
09/19/2003   10:44a        864 PreviouslyReported.java,v
09/19/2003   10:44a        679 Price.java,v
09/19/2003   10:44a        685 Price2.java,v
09/19/2003   10:44a        715 PriceImprovement.java,v
09/19/2003   10:44a      1,031 PriceType.java,v
09/19/2003   10:44a        828 PriorityIndicator.java,v
09/19/2003   10:44a      1,013 ProcessCode.java,v
09/19/2003   10:44a      1,144 Product.java,v
09/19/2003   10:44a        712 ProgPeriodInterval.java,v
09/19/2003   10:44a        916 ProgRptReqs.java,v
09/19/2003   10:44a        754 PutOrCall.java,v
                                   Page 97
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                                              dir.txt
09/19/2003   10:44a              688 Quantity.java,v
09/19/2003   10:44a            1,001 QuantityType.java,v
09/19/2003   10:44a              700 QuoteAckStatus.java,v
09/19/2003   10:44a              703 QuoteCancelType.java,v
09/19/2003   10:44a            1,093 QuoteCondition.java,v
09/19/2003   10:44a              703 QuoteEntryID.java,v
09/19/2003   10:44a            1,145 QuoteEntryRejectReason.java,v
09/19/2003   10:44a              688 QuoteID.java,v
09/19/2003   10:44a              709 QuoteRejectReason.java,v
09/19/2003   10:44a              697 QuoteReqID.java,v
09/19/2003   10:44a              730 QuoteRequestRejectReason.java,v
09/19/2003   10:44a              783 QuoteRequestType.java,v
09/19/2003   10:44a              712 QuoteResponseLevel.java,v
09/19/2003   10:44a              697 QuoteSetID.java,v
09/19/2003   10:44a              743 QuoteSetValidUntilTime.java,v
09/19/2003   10:44a            1,182 QuoteStatus.java,v
09/19/2003   10:44a              715 QuoteStatusReqID.java,v
09/19/2003   10:44a              817 QuoteType.java,v
09/19/2003   10:44a              691 RatioQty.java,v
09/19/2003   10:44a              685 RawData.java,v
09/19/2003   10:44a              694 RawDataLength.java,v
09/19/2003   10:44a              709 RedemptionDate.java,v
09/19/2003   10:44a              694 RefAllocID.java,v
09/19/2003   10:44a              697 RefMsgType.java,v
09/19/2003   10:44a              682 RefSeqNum.java,v
09/19/2003   10:44a              682 RefTagID.java,v
09/19/2003   10:44a              709 RegistAcctType.java,v
09/19/2003   10:44a              700 RegistDetls.java,v
09/19/2003   10:44a              700 RegistEmail.java,v
09/19/2003   10:44a              691 RegistID.java,v
09/19/2003   10:44a              700 RegistRefID.java,v
09/19/2003   10:44a              715 RegistRejReasonCode.java,v
09/19/2003   10:44a              724 RegistRejReasonText.java,v
09/19/2003   10:44a              697 RegistStatus.java,v
09/19/2003   10:44a              824 RegistTransType.java,v
09/19/2003   10:44a              691 RelatdSym.java,v
09/19/2003   10:44a              736 RepoCollateralSecurityType.java,v
09/19/2003   10:44a              788 ReportToExch.java,v
09/19/2003   10:44a              709 RepurchaseRate.java,v
09/19/2003   10:44a              700 RepurchaseTerm.java,v
09/19/2003   10:44a              797 ResetSeqNumFlag.java,v
09/19/2003   10:44a              691 RFQReqID.java,v
09/19/2003   10:44a              712 RoundingDirection.java,v
09/19/2003   10:44a              712 RoundingModulus.java,v
09/19/2003   10:44a              691 RoundLot.java,v
09/19/2003   10:44a              694 RoutingID.java,v
09/19/2003   10:44a              857 RoutingType.java,v
09/19/2003   10:44a              673 RptSeq.java,v
09/19/2003   10:44a            2,222 Rule80A.java,v
09/19/2003   10:44a              803 Scope.java,v
09/19/2003   10:44a              927 SecDefStatus.java,v
09/19/2003   10:44a              715 SecondaryClOrdID.java,v
09/19/2003   10:44a              712 SecondaryExecID.java,v
09/19/2003   10:44a              715 SecondaryOrderID.java,v
09/19/2003   10:44a              694 SecureData.java,v
09/19/2003   10:44a              694 SecureDataLen.java,v
09/19/2003   10:44a              706 SecurityAltID.java,v
09/19/2003   10:44a              724 SecurityAltIDSource.java,v
09/19/2003   10:44a              703 SecurityDesc.java,v
09/19/2003   10:44a              715 SecurityExchange.java,v
09/19/2003   10:44a              694 SecurityID.java,v
09/19/2003   10:44a            1,456 SecurityIDSource.java,v
09/19/2003   10:44a              941 SecurityListRequestType.java,v
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09/19/2003    10:44a      706 SecurityReqID.java,v
09/19/2003    10:44a    1,122 SecurityRequestResult.java,v
09/19/2003    10:44a      990 SecurityRequestType.java,v
09/19/2003    10:44a      721 SecurityResponseID.java,v
09/19/2003    10:44a    1,139 SecurityResponseType.java,v
09/19/2003    10:44a      745 SecuritySettlAgentAcctName.java,v
09/19/2003    10:44a      742 SecuritySettlAgentAcctNum.java,v
09/19/2003    10:44a      733 SecuritySettlAgentCode.java,v
09/19/2003    10:44a      754 SecuritySettlAgentContactName.java,v
09/19/2003    10:44a      757 SecuritySettlAgentContactPhone.java,v
09/19/2003    10:44a      733 SecuritySettlAgentName.java,v
09/19/2003    10:44a      724 SecurityStatusReqID.java,v
09/19/2003    10:44a    1,817 SecurityTradingStatus.java,v
09/19/2003    10:44a    5,271 SecurityType.java,v
09/19/2003    10:44a      688 SellerDays.java,v
09/19/2003    10:44a      697 SellVolume.java,v
09/19/2003    10:44a      700 SenderCompID.java,v
09/19/2003    10:44a      715 SenderLocationID.java,v
09/19/2003    10:44a      697 SenderSubID.java,v
09/19/2003    10:44a      697 SendingDate.java,v
09/19/2003    10:44a      707 SendingTime.java,v
09/19/2003    10:44a    1,740 SessionRejectReason.java,v
09/19/2003    10:44a      706 SettlBrkrCode.java,v
09/19/2003    10:44a      703 SettlCurrAmt.java,v
09/19/2003    10:44a      721 SettlCurrBidFxRate.java,v
09/19/2003    10:44a      706 SettlCurrency.java,v
09/19/2003    10:44a      712 SettlCurrFxRate.java,v
09/19/2003    10:44a      718 SettlCurrFxRateCalc.java,v
09/19/2003    10:44a      727 SettlCurrOfferFxRate.java,v
09/19/2003    10:44a      709 SettlDeliveryType.java,v
09/19/2003    10:44a      724 SettlDepositoryCode.java,v
09/19/2003    10:44a      706 SettlInstCode.java,v
09/19/2003    10:44a      700 SettlInstID.java,v
09/19/2003    10:44a    1,016 SettlInstMode.java,v
09/19/2003    10:44a      709 SettlInstRefID.java,v
09/19/2003    10:44a      861 SettlInstSource.java,v
09/19/2003    10:44a      833 SettlInstTransType.java,v
09/19/2003    10:44a    1,035 SettlLocation.java,v
09/19/2003    10:44a    1,162 SettlmntTyp.java,v
09/19/2003    10:44a      682 Shares.java,v
09/19/2003    10:44a    1,193 Side.java,v
09/19/2003    10:44a      715 SideComplianceID.java,v
09/19/2003    10:44a      697 SideValue1.java,v
09/19/2003    10:44a      697 SideValue2.java,v
09/19/2003    10:44a      777 SideValueInd.java,v
09/19/2003    10:44a      691 Signature.java,v
09/19/2003    10:44a      700 SignatureLength.java,v
09/19/2003    10:44a      816 SolicitedFlag.java,v
09/19/2003    10:44a      685 Spread.java,v
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09/19/2003    10:44a      706 StandInstDbID.java,v
09/19/2003    10:44a      712 StandInstDbName.java,v
09/19/2003    10:44a      870 StandInstDbType.java,v
09/19/2003    10:44a      733 StateOrProvinceOfIssue.java,v
09/19/2003    10:44a      712 StipulationType.java,v
09/19/2003    10:44a      715 StipulationValue.java,v
09/19/2003    10:44a      682 StopPx.java,v
09/19/2003    10:44a      700 StrikePrice.java,v
09/19/2003    10:44a      707 StrikeTime.java,v
09/19/2003    10:44a      688 Subject.java,v
09/19/2003    10:44a      906 SubscriptionRequestType.java,v
09/19/2003    10:44a      682 Symbol.java,v
09/19/2003    10:44a      691 SymbolSfx.java,v
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                                  dir.txt
09/19/2003   10:44a         700 TargetCompID.java,v
09/19/2003   10:44a         715 TargetLocationID.java,v
09/19/2003   10:44a         697 TargetSubID.java,v
09/19/2003   10:44a         706 TaxAdvantageType.java,v
09/19/2003   10:44a         816 TestMessageIndicator.java,v
09/19/2003   10:44a         694 TestReqID.java,v
09/19/2003   10:44a         676 Text.java,v
09/19/2003   10:44a         884 TickDirection.java,v
09/19/2003   10:44a       1,071 TimeInForce.java,v
09/19/2003   10:44a         736 TotalAccruedInterestAmt.java,v
09/19/2003   10:44a         715 TotalAffectedOrders.java,v
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09/19/2003   10:44a         721 TotalNumSecurityTypes.java,v
09/19/2003   10:44a         706 TotalTakedown.java,v
09/19/2003   10:44a         718 TotalVolumeTraded.java,v
09/19/2003   10:44a         730 TotalVolumeTradedDate.java,v
09/19/2003   10:44a         738 TotalVolumeTradedTime.java,v
09/19/2003   10:44a         688 TotNoOrders.java,v
09/19/2003   10:44a         694 TotNoStrikes.java,v
09/19/2003   10:44a         703 TotQuoteEntries.java,v
09/19/2003   10:44a       1,492 TradeCondition.java,v
09/19/2003   10:44a         691 TradeDate.java,v
09/19/2003   10:44a         718 TradedFlatSwitch.java,v
09/19/2003   10:44a         715 TradeInputDevice.java,v
09/19/2003   10:44a         715 TradeInputSource.java,v
09/19/2003   10:44a         727 TradeOriginationDate.java,v
09/19/2003   10:44a         706 TradeReportID.java,v
09/19/2003   10:44a         715 TradeReportRefID.java,v
09/19/2003   10:44a         839 TradeReportTransType.java,v
09/19/2003   10:44a         709 TradeRequestID.java,v
09/19/2003   10:44a       1,026 TradeRequestType.java,v
09/19/2003   10:44a         688 TradeType.java,v
09/19/2003   10:44a         715 TradingSessionID.java,v
09/19/2003   10:44a         724 TradingSessionSubID.java,v
09/19/2003   10:44a         725 TradSesCloseTime.java,v
09/19/2003   10:44a         719 TradSesEndTime.java,v
09/19/2003   10:44a         820 TradSesMethod.java,v
09/19/2003   10:44a         810 TradSesMode.java,v
09/19/2003   10:44a         722 TradSesOpenTime.java,v
09/19/2003   10:44a         734 TradSesPreCloseTime.java,v
09/19/2003   10:44a         703 TradSesReqID.java,v
09/19/2003   10:44a         725 TradSesStartTime.java,v
09/19/2003   10:44a         970 TradSesStatus.java,v
09/19/2003   10:44a         790 TradSesStatusRejReason.java,v
09/19/2003   10:44a         710 TransactTime.java,v
09/19/2003   10:44a         713 TransBkdTime.java,v
09/19/2003   10:44a         718 UnderlyingCFICode.java,v
09/19/2003   10:44a         751 UnderlyingContractMultiplier.java,v
09/19/2003   10:44a         739 UnderlyingCountryOfIssue.java,v
09/19/2003   10:44a         748 UnderlyingCouponPaymentDate.java,v
09/19/2003   10:44a         727 UnderlyingCouponRate.java,v
09/19/2003   10:44a         733 UnderlyingCreditRating.java,v
09/19/2003   10:44a         721 UnderlyingCurrency.java,v
09/19/2003   10:44a         715 UnderlyingFactor.java,v
09/19/2003   10:44a         721 UnderlyingIDSource.java,v
09/19/2003   10:44a         736 UnderlyingInstrRegistry.java,v
09/19/2003   10:44a         724 UnderlyingIssueDate.java,v
09/19/2003   10:44a         715 UnderlyingIssuer.java,v
09/19/2003   10:44a         715 UnderlyingLastPx.java,v
09/19/2003   10:44a         718 UnderlyingLastQty.java,v
09/19/2003   10:44a         736 UnderlyingLocaleOfIssue.java,v
09/19/2003   10:44a         733 UnderlyingMaturityDate.java,v
09/19/2003   10:44a         730 UnderlyingMaturityDay.java,v
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                                      dir.txt
09/19/2003    10:44a              748 UnderlyingMaturityMonthYear.java,v
09/19/2003    10:44a              727 UnderlyingOptAttribute.java,v
09/19/2003    10:44a              709 UnderlyingProduct.java,v
09/19/2003    10:44a              715 UnderlyingPutOrCall.java,v
09/19/2003    10:44a              739 UnderlyingRedemptionDate.java,v
09/19/2003    10:44a              766 UnderlyingRepoCollateralSecurityType.java,v
09/19/2003    10:44a              739 UnderlyingRepurchaseRate.java,v
09/19/2003    10:44a              730 UnderlyingRepurchaseTerm.java,v
09/19/2003    10:44a              736 UnderlyingSecurityAltID.java,v
09/19/2003    10:44a              754 UnderlyingSecurityAltIDSource.java,v
09/19/2003    10:44a              733 UnderlyingSecurityDesc.java,v
09/19/2003    10:44a              745 UnderlyingSecurityExchange.java,v
09/19/2003    10:44a              727 UnderlyingSecurityID.java,v
09/19/2003    10:44a              745 UnderlyingSecurityIDSource.java,v
09/19/2003    10:44a              733 UnderlyingSecurityType.java,v
09/19/2003    10:44a              763 UnderlyingStateOrProvinceOfIssue.java,v
09/19/2003    10:44a              730 UnderlyingStrikePrice.java,v
09/19/2003    10:44a              715 UnderlyingSymbol.java,v
09/19/2003    10:44a              724 UnderlyingSymbolSfx.java,v
09/19/2003    10:44a              892 UnsolicitedIndicator.java,v
09/19/2003    10:44a              802 Urgency.java,v
09/19/2003    10:44a              688 URLLink.java,v
09/19/2003    10:44a              691 Username.java,v
09/19/2003    10:44a              716 ValidUntilTime.java,v
09/19/2003    10:44a              709 ValueOfFutures.java,v
09/19/2003    10:44a              685 WaveNo.java,v
09/19/2003    10:44a              880 WorkingIndicator.java,v
09/19/2003    10:44a              721 WtAverageLiquidity.java,v
09/19/2003    10:44a              688 XmlData.java,v
09/19/2003    10:44a              688 XmlDataLen.java,v
09/19/2003    10:44a              682 Yield.java,v
09/19/2003    10:44a            2,963 YieldType.java,v
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Directory of D:\cvs\qfix\src\java\src\org\quickfix\fix40

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01/01/1601    12:00a    <DIR>          ..
09/19/2003    10:44a              408 .cvsignore,v
09/19/2003    10:44a            9,434 Advertisement.java,v
09/19/2003    10:44a           29,558 Allocation.java,v
09/19/2003    10:44a            5,508 AllocationACK.java,v
09/19/2003    10:44a            6,046 DontKnowTrade.java,v
09/19/2003    10:44a            6,009 Email.java,v
09/19/2003    10:44a           28,817 ExecutionReport.java,v
09/19/2003    10:44a            1,219 Heartbeat.java,v
09/19/2003    10:44a           11,832 IndicationofInterest.java,v
09/19/2003    10:44a            2,421 ListCancelRequest.java,v
09/19/2003    10:44a            2,403 ListExecute.java,v
09/19/2003    10:44a            6,020 ListStatus.java,v
09/19/2003    10:44a            2,421 ListStatusRequest.java,v
09/19/2003    10:44a            3,210 Logon.java,v
09/19/2003    10:44a            1,167 Logout.java,v
09/19/2003    10:44a              419 Makefile.am,v
09/19/2003    10:44a            6,627 Makefile.in,v
09/19/2003    10:44a            6,670 Message.java,v
09/19/2003    10:44a            9,734 MessageCracker.java,v
09/19/2003    10:44a            5,352 MessageFactory.java,v
09/19/2003    10:44a           23,333 NewOrderList.java,v
09/19/2003    10:44a           21,392 NewOrderSingle.java,v
09/19/2003    10:44a            4,743 News.java,v
09/19/2003    10:44a            4,780 OrderCancelReject.java,v
09/19/2003    10:44a           20,345 OrderCancelReplaceRequest.java,v
```

```
                                    dir.txt
09/19/2003   10:44a              10,052 OrderCancelRequest.java,v
09/19/2003   10:44a               5,946 OrderStatusRequest.java,v
09/19/2003   10:44a               8,232 Quote.java,v
09/19/2003   10:44a               6,504 QuoteRequest.java,v      .
09/19/2003   10:44a               1,882 Reject.java,v
09/19/2003   10:44a               2,018 ResendRequest.java,v
09/19/2003   10:44a               1,955 SequenceReset.java,v
09/19/2003   10:44a               1,375 TestRequest.java,v
              33 File(s)        257,832 bytes

        Directory of D:\cvs\qfix\src\java\src\org\quickfix\fix41

01/01/1601   12:00a    <DIR>          .
01/01/1601   12:00a    <DIR>          ..
09/19/2003   10:44a                 408 .cvsignore,v
09/19/2003   10:44a              15,311 Advertisement.java,v
09/19/2003   10:44a              41,993 Allocation.java,v
09/19/2003   10:44a               5,508 AllocationACK.java,v
09/19/2003   10:44a              13,488 DontKnowTrade.java,v
09/19/2003   10:44a              15,374 Email.java,v
09/19/2003   10:44a              34,257 ExecutionReport.java,v
09/19/2003   10:44a               1,219 Heartbeat.java,v
09/19/2003   10:44a              17,983 IndicationofInterest.java,v
09/19/2003   10:44a               2,421 ListCancelRequest.java,v
09/19/2003   10:44a               2,403 ListExecute.java,v
09/19/2003   10:44a               6,610 ListStatus.java,v
09/19/2003   10:44a               2,421 ListStatusRequest.java,v
09/19/2003   10:44a               3,833 Logon.java,v
09/19/2003   10:44a               1,167 Logout.java,v
09/19/2003   10:44a                 419 Makefile.am,v
09/19/2003   10:44a               6,627 Makefile.in,v
09/19/2003   10:44a               7,531 Message.java,v
09/19/2003   10:44a              10,069 MessageCracker.java,v
09/19/2003   10:44a               5,449 MessageFactory.java,v
09/19/2003   10:44a              31,694 NewOrderList.java,v
09/19/2003   10:44a              30,281 NewOrderSingle.java,v
09/19/2003   10:44a              14,057 News.java,v
09/19/2003   10:44a               6,714 OrderCancelReject.java,v
09/19/2003   10:44a              29,812 OrderCancelReplaceRequest.java,v
09/19/2003   10:44a              14,172 OrderCancelRequest.java,v
09/19/2003   10:44a              11,290 OrderStatusRequest.java,v
09/19/2003   10:44a              17,751 Quote.java,v
09/19/2003   10:44a              13,013 QuoteRequest.java,v
09/19/2003   10:44a               1,882 Reject.java,v
09/19/2003   10:44a               2,018 ResendRequest.java,v
09/19/2003   10:44a               1,955 SequenceReset.java,v
09/19/2003   10:44a              22,837 SettlementInstructions.java,v
09/19/2003   10:44a               1,375 TestRequest.java,v
              34 File(s)        393,342 bytes

        Directory of D:\cvs\qfix\src\java\src\org\quickfix\fix42

01/01/1601   12:00a    <DIR>          .
01/01/1601   12:00a    <DIR>          ..
09/19/2003   10:44a                 408 .cvsignore,v
09/19/2003   10:44a              20,954 Advertisement.java,v
09/19/2003   10:44a              50,173 Allocation.java,v
09/19/2003   10:44a               6,709 AllocationACK.java,v
09/19/2003   10:44a               5,140 BusinessMessageReject.java,v
09/19/2003   10:44a              18,626 DontKnowTrade.java,v
09/19/2003   10:44a              23,749 Email.java,v
09/19/2003   10:44a              56,664 ExecutionReport.java,v
09/19/2003   10:44a               1,219 Heartbeat.java,v
```

```
                                          dir.txt
09/19/2003   10:44a              25,577 IndicationofInterest.java,v
09/19/2003   10:44a               3,755 ListCancelRequest.java,v
09/19/2003   10:44a               4,857 ListExecute.java,v
09/19/2003   10:44a              13,724 ListStatus.java,v
09/19/2003   10:44a               3,080 ListStatusRequest.java,v
09/19/2003   10:44a               6,384 Logon.java,v
09/19/2003   10:44a               2,368 Logout.java,v
09/19/2003   10:44a                 419 Makefile.am,v
09/19/2003   10:44a               6,627 Makefile.in,v
09/19/2003   10:44a              36,441 MarketDataIncrementalRefresh.java,v
09/19/2003   10:44a              18,615 MarketDataRequest.java,v
09/19/2003   10:44a               3,725 MarketDataRequestReject.java,v
09/19/2003   10:44a              33,687 MarketDataSnapshotFullRefresh.java,v
09/19/2003   10:44a              42,829 MassQuote.java,v
09/19/2003   10:44a               8,566 Message.java,v
09/19/2003   10:44a              14,384 MessageCracker.java,v
09/19/2003   10:44a               6,875 MessageFactory.java,v
09/19/2003   10:44a              55,143 NewOrderList.java,v
09/19/2003   10:44a              44,789 NewOrderSingle.java,v
09/19/2003   10:44a              22,450 News.java,v
09/19/2003   10:44a               9,783 OrderCancelReject.java,v
09/19/2003   10:44a              44,320 OrderCancelReplaceRequest.java,v
09/19/2003   10:44a              21,608 OrderCancelRequest.java,v
09/19/2003   10:44a              15,649 OrderStatusRequest.java,v
09/19/2003   10:44a              23,402 Quote.java,v
09/19/2003   10:44a              34,410 QuoteAcknowledgement.java,v
09/19/2003   10:44a              17,136 QuoteCancel.java,v
09/19/2003   10:44a              21,140 QuoteRequest.java,v
09/19/2003   10:44a              13,925 QuoteStatusRequest.java,v
09/19/2003   10:44a               4,880 Reject.java,v
09/19/2003   10:44a               2,018 ResendRequest.java,v
09/19/2003   10:44a              33,975 SecurityDefinition.java,v
09/19/2003   10:44a              32,592 SecurityDefinitionRequest.java,v
09/19/2003   10:44a              22,372 SecurityStatus.java,v
09/19/2003   10:44a              14,987 SecurityStatusRequest.java,v
09/19/2003   10:44a               1,955 SequenceReset.java,v
09/19/2003   10:44a              24,169 SettlementInstructions.java,v
09/19/2003   10:44a               1,375 TestRequest.java,v
09/19/2003   10:44a              10,155 TradingSessionStatus.java,v
09/19/2003   10:44a               4,091 TradingSessionStatusRequest.java,v
                 49 File(s)       891,879 bytes

Directory of D:\cvs\qfix\src\java\src\org\quickfix\fix43

01/01/1601   12:00a    <DIR>          .
01/01/1601   12:00a    <DIR>          ..
09/19/2003   10:44a                 408 .cvsignore,v
09/19/2003   10:44a              31,629 Advertisement.java,v
09/19/2003   10:44a              73,096 Allocation.java,v
09/19/2003   10:44a               9,276 AllocationACK.java,v
09/19/2003   10:44a              30,663 BidRequest.java,v
09/19/2003   10:44a              13,299 BidResponse.java,v
09/19/2003   10:44a               5,140 BusinessMessageReject.java,v
09/19/2003   10:44a              86,019 CrossOrderCancelReplaceRequest.java,v
09/19/2003   10:44a              39,732 CrossOrderCancelRequest.java,v
09/19/2003   10:44a              80,900 DerivativeSecurityList.java,v
09/19/2003   10:44a              31,840 DerivativeSecurityListRequest.java,v
09/19/2003   10:44a              30,441 DontKnowTrade.java,v
09/19/2003   10:44a              33,985 Email.java,v
09/19/2003   10:44a             139,091 ExecutionReport.java,v
09/19/2003   10:44a               1,219 Heartbeat.java,v
09/19/2003   10:44a              38,586 IndicationOfInterest.java,v
09/19/2003   10:44a               4,423 ListCancelRequest.java,v
```

```
                                          dir.txt
09/19/2003    10:44a                4,857  ListExecute.java,v
09/19/2003    10:44a               15,030  ListStatus.java,v
09/19/2003    10:44a                3,080  ListStatusRequest.java,v
09/19/2003    10:44a               30,085  ListStrikePrice.java,v
09/19/2003    10:44a                8,172  Logon.java,v
09/19/2003    10:44a                2,368  Logout.java,v
09/19/2003    10:44a                  419  Makefile.am,v
09/19/2003    10:44a                6,627  Makefile.in,v
09/19/2003    10:44a               49,960  MarketDataIncrementalRefresh.java,v
09/19/2003    10:44a               32,180  MarketDataRequest.java,v
09/19/2003    10:44a                3,725  MarketDataRequestReject.java,v
09/19/2003    10:44a               46,773  MarketDataSnapshotFullRefresh.java,v
09/19/2003    10:44a               74,641  MassQuote.java,v
09/19/2003    10:44a               75,275  MassQuoteAcknowledgement.java,v
09/19/2003    10:44a                8,566  Message.java,v
09/19/2003    10:44a               21,200  MessageCracker.java,v
09/19/2003    10:44a                9,162  MessageFactory.java,v
09/19/2003    10:44a              103,145  MultilegOrderCancelReplaceRequest.java,v
09/19/2003    10:44a               83,513  NewOrderCross.java,v
09/19/2003    10:44a               92,994  NewOrderList.java,v
09/19/2003    10:44a              101,267  NewOrderMultileg.java,v
09/19/2003    10:44a               81,873  NewOrderSingle.java,v
09/19/2003    10:44a               32,686  News.java,v
09/19/2003    10:44a               12,366  OrderCancelReject.java,v
09/19/2003    10:44a               79,956  OrderCancelReplaceRequest.java,v
09/19/2003    10:44a               37,236  OrderCancelRequest.java,v
09/19/2003    10:44a               59,706  OrderMassCancelReport.java,v
09/19/2003    10:44a               53,753  OrderMassCancelRequest.java,v
09/19/2003    10:44a               54,430  OrderMassStatusRequest.java,v
09/19/2003    10:44a               28,831  OrderStatusRequest.java,v
09/19/2003    10:44a               51,378  Quote.java,v
09/19/2003    10:44a               31,649  QuoteCancel.java,v
09/19/2003    10:44a               44,994  QuoteRequest.java,v
09/19/2003    10:44a               23,775  QuoteRequestReject.java,v
09/19/2003    10:44a               49,675  QuoteStatusReport.java,v
09/19/2003    10:44a               29,536  QuoteStatusRequest.java,v
09/19/2003    10:44a               23,610  RegistrationInstructions.java,v
09/19/2003    10:44a                9,003  RegistrationInstructionsResponse.java,v
09/19/2003    10:44a                4,880  Reject.java,v
09/19/2003    10:44a                2,018  ResendRequest.java,v
09/19/2003    10:44a               28,043  RFQRequest.java,v
09/19/2003    10:44a               54,615  SecurityDefinition.java,v
09/19/2003    10:44a               53,424  SecurityDefinitionRequest.java,v
09/19/2003    10:44a               56,771  SecurityList.java,v
09/19/2003    10:44a               27,979  SecurityListRequest.java,v
09/19/2003    10:44a               34,663  SecurityStatus.java,v
09/19/2003    10:44a               25,638  SecurityStatusRequest.java,v
09/19/2003    10:44a                4,462  SecurityTypeRequest.java,v
09/19/2003    10:44a                9,873  SecurityTypes.java,v
09/19/2003    10:44a                1,955  SequenceReset.java,v
09/19/2003    10:44a               32,749  SettlementInstructions.java,v
09/19/2003    10:44a                1,375  TestRequest.java,v
09/19/2003    10:44a               73,576  TradeCaptureReport.java,v
09/19/2003    10:44a               35,090  TradeCaptureReportRequest.java,v
09/19/2003    10:44a               11,500  TradingSessionStatus.java,v
09/19/2003    10:44a                4,750  TradingSessionStatusRequest.java,v
              73 File(s)        2,590,604  bytes

Directory of D:\cvs\qfix\src\java\test

01/01/1601    12:00a    <DIR>          .
01/01/1601    12:00a    <DIR>          ..
09/19/2003    10:44a                  408  .cvsignore,v
```

```
                                                dir.txt
09/19/2003    10:44a                  946 AllTests.java,v
09/19/2003    10:44a                2,118 ApplicationImpl.java,v
09/19/2003    10:44a                1,062 FieldTest.java,v
09/19/2003    10:44a                7,243 Generator.java,v
09/19/2003    10:44a                  419 Makefile.am,v
09/19/2003    10:44a                6,573 Makefile.in,v
09/19/2003    10:44a                4,881 MessageTest.java,v
09/19/2003    10:44a                3,812 OrderTest.java,v
09/19/2003    10:44a                2,042 PerformanceTest.java,v
                     10 File(s)      29,504 bytes

 Directory of D:\cvs\qfix\src\ruby

01/01/1601    12:00a      <DIR>          .
01/01/1601    12:00a      <DIR>          ..
09/19/2003    10:44a                  424 .cvsignore,v
09/19/2003    10:44a                  623 Makefile.am,v
09/19/2003    10:44a               10,179 Makefile.in,v
09/19/2003    10:44a                1,576 QuickFix.c,v
09/19/2003    10:44a                  913 QuickFixTestCase.rb,v
                      5 File(s)      13,715 bytes

 Directory of D:\cvs\qfix\src\sql

01/01/1601    12:00a      <DIR>          .
01/01/1601    12:00a      <DIR>          ..
09/19/2003    10:44a                  436 create_mysql.bat,v
09/19/2003    10:44a                  724 create_tables.sh,v
09/19/2003    10:44a                  750 event_log_table.sql,v
09/19/2003    10:44a                  755 incoming_log_table.sql,v
09/19/2003    10:44a                  761 messages_table.sql,v
09/19/2003    10:44a                  544 mysql.sql,v
09/19/2003    10:44a                  756 outgoing_log_table.sql,v
09/19/2003    10:44a                  459 quickfix_database.sql,v
09/19/2003    10:44a                  797 sessions_table.sql,v
                      9 File(s)       5,982 bytes

 Directory of D:\cvs\qfix\templates

01/01/1601    12:00a      <DIR>          .
01/01/1601    12:00a      <DIR>          ..
09/19/2003    10:44a                  410 .cvsignore,v
09/19/2003    10:44a                  416 Makefile.am,v
09/19/2003    10:44a                6,550 Makefile.in,v
09/19/2003    10:44a                  749 template_TestCase.cpp,v
09/19/2003    10:44a                1,028 template_TestCase.h,v
                      5 File(s)       9,153 bytes

 Directory of D:\cvs\qfix\test

01/01/1601    12:00a      <DIR>          .
01/01/1601    12:00a      <DIR>          ..
09/19/2003    10:44a      <DIR>          atrun
09/19/2003    10:44a      <DIR>          cfg
09/19/2003    10:44a      <DIR>          definitions
09/19/2003    10:44a                  423 .cvsignore,v
09/19/2003    10:44a                  563 atfixturerun.rb,v
09/19/2003    10:44a                  491 check.sh,v
09/19/2003    10:44a                4,114 Comparator.rb,v
09/19/2003    10:44a                1,900 ComparatorTestCase.rb,v
09/19/2003    10:44a                3,401 FixParser.rb,v
09/19/2003    10:44a                1,376 FixParserTestCase.rb,v
09/19/2003    10:44a                  499 Makefile.am,v
```
                                    Page 105

```
                                          dir.txt
09/19/2003   10:44a            12,601 Makefile.in,v
09/19/2003   10:44a             5,502 Reflector.rb,v
09/19/2003   10:44a             4,938 ReflectorClient.rb,v
09/19/2003   10:44a             2,147 ReflectorClientTestCase.rb,v
09/19/2003   10:44a             4,454 ReflectorServer.rb,v
09/19/2003   10:44a             1,446 ReflectorServerTestCase.rb,v
09/19/2003   10:44a             7,220 ReflectorTestCase.rb,v
09/19/2003   10:44a             1,550 runat,v
09/19/2003   10:44a             1,915 runat.bat,v
09/19/2003   10:44a             1,358 runat_threaded,v
09/19/2003   10:44a             1,656 runat_threaded.bat,v
09/19/2003   10:44a             5,440 Runner.rb,v
09/19/2003   10:44a             1,259 RunnerTestCase.rb,v
09/19/2003   10:44a             1,364 runnewat,v
09/19/2003   10:44a             1,347 runnewat.bat,v
09/19/2003   10:44a               471 runut,v
09/19/2003   10:44a               736 runut.bat,v
09/19/2003   10:44a             3,189 SocketServer.rb,v
09/19/2003   10:44a             1,923 SocketServerTestCase.rb,v
09/19/2003   10:44a             3,688 test.rb,v
             28 File(s)         76,971 bytes

Directory of D:\cvs\qfix\test\atrun

01/01/1601   12:00a    <DIR>          .
01/01/1601   12:00a    <DIR>          ..
09/19/2003   10:44a    <DIR>          test
09/19/2003   10:44a               451 .cvsignore,v
09/19/2003   10:44a             5,255 atrun.dsp,v
09/19/2003   10:44a             4,605 atrun.vcproj,v
09/19/2003   10:44a             3,092 main.cpp,v
09/19/2003   10:44a               428 Makefile.am,v
09/19/2003   10:44a             6,570 Makefile.in,v
09/19/2003   10:44a             3,259 Process.cpp,v
09/19/2003   10:44a             1,814 Process.h,v
09/19/2003   10:44a               787 TestSuite.h,v
              9 File(s)         26,261 bytes

Directory of D:\cvs\qfix\test\atrun\test

01/01/1601   12:00a    <DIR>          .
01/01/1601   12:00a    <DIR>          ..
09/19/2003   10:44a             4,293 ProcessTestCase.cpp,v
09/19/2003   10:44a             1,916 ProcessTestCase.h,v
              2 File(s)          6,209 bytes

Directory of D:\cvs\qfix\test\cfg

01/01/1601   12:00a    <DIR>          .
01/01/1601   12:00a    <DIR>          ..
09/19/2003   10:44a               422 .cvsignore,v
09/19/2003   10:44a               418 Makefile.am,v
09/19/2003   10:44a             6,556 Makefile.in,v
              3 File(s)          7,396 bytes

Directory of D:\cvs\qfix\test\definitions

01/01/1601   12:00a    <DIR>          .
01/01/1601   12:00a    <DIR>          ..
09/19/2003   10:44a    <DIR>          client
09/19/2003   10:44a    <DIR>          server
09/19/2003   10:44a               410 .cvsignore,v
09/19/2003   10:44a               518 fields.fmt,v
```

```
09/19/2003   10:44a                                  dir.txt
09/19/2003   10:44a                       452 Makefile.am,v
09/19/2003   10:44a                    10,985 Makefile.in,v
09/19/2003   10:44a                       401 SOH,v
09/19/2003   10:44a                       494 SOH.rb,v
                 6 File(s)              13,260 bytes

 Directory of D:\cvs\qfix\test\definitions\client

01/01/1601   12:00a      <DIR>           .
01/01/1601   12:00a      <DIR>           ..
09/19/2003   10:44a                       677 Normal.def,v
                 1 File(s)                 677 bytes

 Directory of D:\cvs\qfix\test\definitions\server

01/01/1601   12:00a      <DIR>           .
01/01/1601   12:00a      <DIR>           ..
09/19/2003   10:44a      <DIR>           fix40
09/19/2003   10:44a      <DIR>           fix41
09/19/2003   10:44a      <DIR>           fix42
09/19/2003   10:44a      <DIR>           fix43
09/19/2003   10:44a      <DIR>           future
09/19/2003   10:44a                       410 .cvsignore,v
09/19/2003   10:44a                       435 Makefile.am,v
09/19/2003   10:44a                    10,988 Makefile.in,v
                 3 File(s)              11,833 bytes

 Directory of D:\cvs\qfix\test\definitions\server\fix40

01/01/1601   12:00a      <DIR>           .
01/01/1601   12:00a      <DIR>           ..
09/19/2003   10:44a                       866 10_MsgSeqNumEqual.def,v
09/19/2003   10:44a                       907 10_MsgSeqNumGreater.def,v
09/19/2003   10:44a                     1,029 10_MsgSeqNumLess.def,v
09/19/2003   10:44a                     1,116 11a_NewSeqNoGreater.def,v
09/19/2003   10:44a                     1,108 11b_NewSeqNoEqual.def,v
09/19/2003   10:44a                     1,366 11c_NewSeqNoLess.def,v
09/19/2003   10:44a                       712 13b_UnsolicitedLogoutMessage.def,v
09/19/2003   10:44a                     2,213 14a_BadField.def,v
09/19/2003   10:44a                     1,647 14b_RequiredFieldMissing.def,v
09/19/2003   10:44a                     1,503 14c_TagNotDefinedForMsgType.def,v
09/19/2003   10:44a                     1,399 14d_TagSpecifiedWithoutValue.def,v
09/19/2003   10:44a                     1,374 14e_IncorrectEnumValue.def,v
09/19/2003   10:44a                     1,316 14f_IncorrectDataFormat.def,v
09/19/2003   10:44a                     1,688 14g_HeaderBodyTrailerFieldsOutofOrder.def,v
09/19/2003   10:44a                     1,734 15_HeaderAndBodyFieldsOrderedDifferently.def,v
09/19/2003   10:44a                     1,474 19a_PossResendMessageThatHASAlreadyBeenSent.def,v
09/19/2003   10:44a                     1,393 19b_PossResendMessageThatHasNotBeenSent.def,v
09/19/2003   10:44a                       713 1a_ValidLogonMsgSeqNumTooHigh.def,v
09/19/2003   10:44a                       606 1a_ValidLogonWithCorrectMsgSeqNum.def,v
09/19/2003   10:44a                       901 1b_DuplicateIdentity.def,v
09/19/2003   10:44a                       531 1c_InvalidSenderCompID.def,v
09/19/2003   10:44a                       531 1c_InvalidTargetCompID.def,v
09/19/2003   10:44a                       550 1d_InvalidLogonLengthInvalid.def,v
09/19/2003   10:44a                       526 1d_InvalidLogonWrongBeginString.def,v
09/19/2003   10:44a                       521 1e_NotLogonMessage.def,v
09/19/2003   10:44a                     1,833 20_SimultaneousResendRequest.def,v
09/19/2003   10:44a                       939 2a_MsgSeqNumCorrect.def,v
09/19/2003   10:44a                     1,392 2b_MsgSeqNumTooHigh.def,v
09/19/2003   10:44a                       831 2c_MsgSeqNumTooLow.def,v
09/19/2003   10:44a                     1,405 2d_GarbledMessage.def,v
```

```
                                  dir.txt
09/19/2003   10:44a              936 2e_PossDupAlreadyReceived.def,v
09/19/2003   10:44a            1,034 2e_PossDupNotReceived.def,v
09/19/2003   10:44a            1,497 2f_PossDupOrigSendingTimeTooHigh.def,v
09/19/2003   10:44a            1,614 2g_PossDupNoOrigSendingTime.def,v
09/19/2003   10:44a            1,216 2i_BeginStringValueUnexpected.def,v
09/19/2003   10:44a            2,101 2k_CompIDDoesNotMatchProfile.def,v
09/19/2003   10:44a            2,180 2m_BodyLengthValueNotCorrect.def,v
09/19/2003   10:44a            1,447 2o_SendingTimeValueOutOfRange.def,v
09/19/2003   10:44a              862 2q_MsgTypeNotValid.def,v
09/19/2003   10:44a              953 2r_UnregisteredMsgType.def,v
09/19/2003   10:44a            1,062 2t_FirstThreeFieldsOutOfOrder.def,v
09/19/2003   10:44a            1,343 3b_InvalidChecksum.def,v
09/19/2003   10:44a            1,166 3c_GarbledMessage.def,v
09/19/2003   10:44a              841 4a_NoDataSentDuringHeartBtInt.def,v
09/19/2003   10:44a              760 4b_ReceivedTestRequest.def,v
09/19/2003   10:44a            1,367 6_SendTestRequest.def,v
09/19/2003   10:44a              775 7_ReceiveRejectMessage.def,v
09/19/2003   10:44a            4,771 8_AdminAndApplicationMessages.def,v
09/19/2003   10:44a            1,607 8_OnlyAdminMessages.def,v
09/19/2003   10:44a            2,345 8_OnlyApplicationMessages.def,v
             50 File(s)       64,001 bytes

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01/01/1601   12:00a    <DIR>          .
01/01/1601   12:00a    <DIR>          ..
09/19/2003   10:44a              866 10_MsgSeqNumEqual.def,v
09/19/2003   10:44a              907 10_MsgSeqNumGreater.def,v
09/19/2003   10:44a            1,029 10_MsgSeqNumLess.def,v
09/19/2003   10:44a            1,116 11a_NewSeqNoGreater.def,v
09/19/2003   10:44a            1,108 11b_NewSeqNoEqual.def,v
09/19/2003   10:44a            1,366 11c_NewSeqNoLess.def,v
09/19/2003   10:44a              712 13b_UnsolicitedLogoutMessage.def,v
09/19/2003   10:44a            2,213 14a_BadField.def,v
09/19/2003   10:44a            1,647 14b_RequiredFieldMissing.def,v
09/19/2003   10:44a            1,503 14c_TagNotDefinedForMsgType.def,v
09/19/2003   10:44a            1,399 14d_TagSpecifiedWithoutValue.def,v
09/19/2003   10:44a            1,374 14e_IncorrectEnumValue.def,v
09/19/2003   10:44a            1,316 14f_IncorrectDataFormat.def,v
09/19/2003   10:44a            1,694 14g_HeaderBodyTrailerFieldsOutOfOrder.def,v
09/19/2003   10:44a            1,734
15_HeaderAndBodyFieldsOrderedDifferently.def,v
09/19/2003   10:44a            1,474
19a_PossResendMessageThatHAsAlreadyBeenSent.def,v
09/19/2003   10:44a            1,393 19b_PossResendMessageThatHasNotBeenSent.def,v
09/19/2003   10:44a              713 1a_ValidLogonMsgSeqNumTooHigh.def,v
09/19/2003   10:44a              606 1a_ValidLogonWithCorrectMsgSeqNum.def,v
09/19/2003   10:44a              901 1b_DuplicateIdentity.def,v
09/19/2003   10:44a              531 1c_InvalidSenderCompID.def,v
09/19/2003   10:44a              531 1c_InvalidTargetCompID.def,v
09/19/2003   10:44a              550 1d_InvalidLogonLengthInvalid.def,v
09/19/2003   10:44a              526 1d_InvalidLogonWrongBeginString.def,v
09/19/2003   10:44a              521 1e_NotLogonMessage.def,v
09/19/2003   10:44a            1,833 20_SimultaneousResendRequest.def,v
09/19/2003   10:44a              939 2a_MsgSeqNumCorrect.def,v
09/19/2003   10:44a            1,392 2b_MsgSeqNumTooHigh.def,v
09/19/2003   10:44a              831 2c_MsgSeqNumTooLow.def,v
09/19/2003   10:44a            1,405 2d_GarbledMessage.def,v
09/19/2003   10:44a              936 2e_PossDupAlreadyReceived.def,v
09/19/2003   10:44a            1,034 2e_PossDupNotReceived.def,v
09/19/2003   10:44a            1,497 2f_PossDupOrigSendingTimeTooHigh.def,v
09/19/2003   10:44a            1,614 2g_PossDupNoOrigSendingTime.def,v
09/19/2003   10:44a            1,216 2i_BeginStringValueUnexpected.def,v
```

```
                                    dir.txt
09/19/2003   10:44a         2,101 2k_CompIDDoesNotMatchProfile.def,v
09/19/2003   10:44a         2,181 2m_BodyLengthValueNotCorrect.def,v
09/19/2003   10:44a         1,447 2o_SendingTimeValueOutOfRange.def,v
09/19/2003   10:44a           862 2q_MsgTypeNotValid.def,v
09/19/2003   10:44a           965 2r_UnregisteredMsgType.def,v
09/19/2003   10:44a         1,062 2t_FirstThreeFieldsOutOfOrder.def,v
09/19/2003   10:44a         1,343 3b_InvalidChecksum.def,v
09/19/2003   10:44a         1,166 3c_GarbledMessage.def,v
09/19/2003   10:44a           841 4a_NoDataSentDuringHeartBtInt.def,v
09/19/2003   10:44a           760 4b_ReceivedTestRequest.def,v
09/19/2003   10:44a         1,367 6_SendTestRequest.def,v
09/19/2003   10:44a.          775 7_ReceiveRejectMessage.def,v
09/19/2003   10:44a         4,771 8_AdminAndApplicationMessages.def,v
09/19/2003   10:44a         1,607 8_OnlyAdminMessages.def,v
09/19/2003   10:44a         2,345 8_OnlyApplicationMessages.def,v
             50 File(s)       64,020 bytes
```

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```
01/01/1601   12:00a   <DIR>          .
01/01/1601   12:00a   <DIR>          ..
09/19/2003   10:44a           866 10_MsgSeqNumEqual.def,v
09/19/2003   10:44a           907 10_MsgSeqNumGreater.def,v
09/19/2003   10:44a         1,029 10_MsgSeqNumLess.def,v
09/19/2003   10:44a         1,116 11a_NewSeqNoGreater.def,v
09/19/2003   10:44a         1,108 11b_NewSeqNoEqual.def,v
09/19/2003   10:44a         1,390 11c_NewSeqNoLess.def,v
09/19/2003   10:44a           712 13b_UnsolicitedLogoutMessage.def,v
09/19/2003   10:44a         2,269 14a_BadField.def,v
09/19/2003   10:44a         1,668 14b_RequiredFieldMissing.def,v
09/19/2003   10:44a         1,518 14c_TagNotDefinedForMsgType.def,v
09/19/2003   10:44a         1,414 14d_TagSpecifiedWithoutValue.def,v
09/19/2003   10:44a         2,060 14e_IncorrectEnumValue.def,v
09/19/2003   10:44a         1,331 14f_IncorrectDataFormat.def,v
09/19/2003   10:44a         1,712 14g_HeaderBodyTrailerFieldsOutOfOrder.def,v
09/19/2003   10:44a         1,768
15_HeaderAndBodyFieldsOrderedDifferently.def,v
09/19/2003   10:44a         1,494
19a_PossResendMessageThatHASAlreadyBeenSent.def,v
09/19/2003   10:44a         1,411 19b_PossResendMessageThatHasNotBeenSent.def,v
09/19/2003   10:44a           713 1a_ValidLogonMsgSeqNumTooHigh.def,v
09/19/2003   10:44a           606 1a_ValidLogonWithCorrectMsgSeqNum.def,v.
09/19/2003   10:44a           901 1b_DuplicateIdentity.def,v
09/19/2003   10:44a           531 1c_InvalidSenderCompID.def,v
09/19/2003   10:44a           531 1c_InvalidTargetCompID.def,v
09/19/2003   10:44a           550 1d_InvalidLogonLengthInvalid.def,v
09/19/2003   10:44a           526 1d_InvalidLogonWrongBeginString.def,v
09/19/2003   10:44a           521 1e_NotLogonMessage.def,v
09/19/2003   10:44a         1,895 20_SimultaneousResendRequest.def,v
09/19/2003   10:44a         1,632
21_RepeatingGroupSpecifierWithValueOfZero.def,v
09/19/2003   10:44a           939 2a_MsgSeqNumCorrect.def,v
09/19/2003   10:44a         1,392 2b_MsgSeqNumTooHigh.def,v
09/19/2003   10:44a           831 2c_MsgSeqNumTooLow.def,v
09/19/2003   10:44a         1,417 2d_GarbledMessage.def,v
09/19/2003   10:44a           936 2e_PossDupAlreadyReceived.def,v
09/19/2003   10:44a         1,034 2e_PossDupNotReceived.def,v
09/19/2003   10:44a         1,547 2f_PossDupOrigSendingTimeTooHigh.def,v
09/19/2003   10:44a         1,665 2g_PossDupNoOrigSendingTime.def,v
09/19/2003   10:44a         1,216 2i_BeginStringValueUnexpected.def,v
09/19/2003   10:44a         2,146 2k_CompIDDoesNotMatchProfile.def,v
09/19/2003   10:44a         2,250 2m_BodyLengthValueNotCorrect.def,v
09/19/2003   10:44a         1,473 2o_SendingTimeValueOutOfRange.def,v
```

```
                                    dir.txt
09/19/2003    10:44a                    875 2q_MsgTypeNotValid.def,v
09/19/2003    10:44a                    952 2r_UnregisteredMsgType.def,v
09/19/2003    10:44a                  1,062 2t_FirstThreeFieldsOutOfOrder.def,v
09/19/2003    10:44a                  1,355 3b_InvalidChecksum.def,v
09/19/2003    10:44a                  1,166 3c_GarbledMessage.def,v
09/19/2003    10:44a                    841 4a_NoDataSentDuringHeartBtInt.def,v
09/19/2003    10:44a                    760 4b_ReceivedTestRequest.def,v
09/19/2003    10:44a                  1,360 6_SendTestRequest.def,v
09/19/2003    10:44a                    775 7_ReceiveRejectMessage.def,v
09/19/2003    10:44a                  4,952 8_AdminAndApplicationMessages.def,v
09/19/2003    10:44a                  1,597 8_OnlyAdminMessages.def,v
09/19/2003    10:44a                  2,470 8_OnlyApplicationMessages.def,v
              51 File(s)            67,190 bytes

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01/01/1601    12:00a     <DIR>          .
01/01/1601    12:00a     <DIR>          ..
09/19/2003    10:44a                    866 10_MsgSeqNumEqual.def,v
09/19/2003    10:44a                    907 10_MsgSeqNumGreater.def,v
09/19/2003    10:44a                  1,029 10_MsgSeqNumLess.def,v
09/19/2003    10:44a                  1,116 11a_NewSeqNoGreater.def,v
09/19/2003    10:44a                  1,108 11b_NewSeqNoEqual.def,v
09/19/2003    10:44a                  1,390 11c_NewSeqNoLess.def,v
09/19/2003    10:44a                    712 13b_UnsolicitedLogoutMessage.def,v
09/19/2003    10:44a                  2,269 14a_BadField.def,v
09/19/2003    10:44a                  1,668 14b_RequiredFieldMissing.def,v
09/19/2003    10:44a                  1,518 14c_TagNotDefinedForMsgType.def,v
09/19/2003    10:44a                  1,414 14d_TagSpecifiedWithoutValue.def,v
09/19/2003    10:44a                  2,057 14e_IncorrectEnumValue.def,v
09/19/2003    10:44a                  1,331 14f_IncorrectDataFormat.def,v
09/19/2003    10:44a                  1,726 14g_HeaderBodyTrailerFieldsOutOfOrder.def,v
09/19/2003    10:44a                  1,768
15_HeaderAndBodyFieldsOrderedDifferently.def,v
09/19/2003    10:44a                  1,494
19a_PossResendMessageThatHAsAlreadyBeenSent.def,v
09/19/2003    10:44a                  1,411 19b_PossResendMessageThatHasNotBeenSent.def,v
09/19/2003    10:44a                    713 1a_ValidLogonMsgSeqNumTooHigh.def,v
09/19/2003    10:44a                    606 1a_ValidLogonWithCorrectMsgSeqNum.def,v
09/19/2003    10:44a                    901 1b_DuplicateIdentity.def,v
09/19/2003    10:44a                    531 1c_InvalidSenderCompID.def,v
09/19/2003    10:44a                    531 1c_InvalidTargetCompID.def,v
09/19/2003    10:44a                    550 1d_InvalidLogonLengthInvalid.def,v
09/19/2003    10:44a                    526 1d_InvalidLogonWrongBeginString.def,v
09/19/2003    10:44a                    521 1e_NotLogonMessage.def,v
09/19/2003    10:44a                  1,895 20_SimultaneousResendRequest.def,v
09/19/2003    10:44a                  1,605
21_RepeatingGroupSpecifierWithValueOfZero.def,v
09/19/2003    10:44a                    939 2a_MsgSeqNumCorrect.def,v
09/19/2003    10:44a                  1,392 2b_MsgSeqNumTooHigh.def,v
09/19/2003    10:44a                    831 2c_MsgSeqNumTooLow.def,v
09/19/2003    10:44a                  1,417 2d_GarbledMessage.def,v
09/19/2003    10:44a                    936 2e_PossDupAlreadyReceived.def,v
09/19/2003    10:44a                  1,034 2e_PossDupNotReceived.def,v
09/19/2003    10:44a                  1,547 2f_PossDupOrigSendingTimeTooHigh.def,v
09/19/2003    10:44a                  1,665 2g_PossDupNoOrigSendingTime.def,v
09/19/2003    10:44a                  1,216 2i_BeginStringValueUnexpected.def,v
09/19/2003    10:44a                  2,146 2k_CompIDDoesNotMatchProfile.def,v
09/19/2003    10:44a                  2,257 2m_BodyLengthValueNotCorrect.def,v
09/19/2003    10:44a                  1,473 2o_SendingTimeValueOutOfRange.def,v
09/19/2003    10:44a                    875 2q_MsgTypeNotValid.def,v
09/19/2003    10:44a                    947 2r_UnregisteredMsgType.def,v
09/19/2003    10:44a                  1,062 2t_FirstThreeFieldsOutOfOrder.def,v
```

```
                                        dir.txt
09/19/2003   10:44a                1,355 3b_InvalidChecksum.def,v
09/19/2003   10:44a                1,166 3c_GarbledMessage.def,v
09/19/2003   10:44a                  841 4a_NoDataSentDuringHeartBtInt.def,v
09/19/2003   10:44a                  760 4b_ReceivedTestRequest.def,v
09/19/2003   10:44a                1,360 6_SendTestRequest.def,v
09/19/2003   10:44a                  775 7_ReceiveRejectMessage.def,v
09/19/2003   10:44a                4,952 8_AdminAndApplicationMessages.def,v
09/19/2003   10:44a                1,597 8_OnlyAdminMessages.def,v
09/19/2003   10:44a                2,470 8_OnlyApplicationMessages.def,v
              51 File(s)           67,176 bytes

    Directory of D:\cvs\qfix\test\definitions\server\future

01/01/1601   12:00a    <DIR>          .
01/01/1601   12:00a    <DIR>          ..
09/19/2003   10:44a                  408 .cvsignore,v
09/19/2003   10:44a                1,372 14h_RepeatedTag.def,v
09/19/2003   10:44a                1,366 14i_RepeatingGroupCountNotEqual.def,v
09/19/2003   10:44a                1,393 14j_OutOfRepeatingGroupMembers.def,v
09/19/2003   10:44a                1,306 14k_EmbeddedSOH.def,v
09/19/2003   10:44a                  606 1a_ValidLogonWithCorrectMsgSeqNum.def,v
09/19/2003   10:44a                  418 Makefile.am,v
09/19/2003   10:44a                6,612 Makefile.in,v
               8 File(s)           13,481 bytes

    Directory of D:\cvs\syblib

01/01/1601   12:00a    <DIR>          .
01/01/1601   12:00a    <DIR>          ..
09/19/2003   11:24a                  614 gcc.sh,v
09/19/2003   11:24a               17,651 SybInterface.cpp,v
               2 File(s)           18,265 bytes

    Directory of D:\cvs\tmp

01/01/1601   12:00a    <DIR>          .
01/01/1601   12:00a    <DIR>          ..
               0 File(s)               0 bytes

     Total Files Listed:
            3845 File(s)     57,753,814 bytes
            1329 Dir(s)               0 bytes free
```